70-516 New Questions_formatted

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Topic 1, C#

Exam A

QUESTION 1
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that uses LINQ to SQL.

The Product entity in the LINQ to SQL model contains a field named ProductImage. The ProductImage field holds a large amount of binary data.

You need to ensure that the ProductImage field is retrieved from the database only when it is needed by the application.

What should you do?

A. Set the Update Check property on the ProductImage property of the Product entity to Never.
B. Set the Auto-Sync property on the ProductImage property of the Product entity to Never.
C. Set the Delay Loaded property on the ProductImage property of the Product entity to True.
D. When the context is initialized, specify that the ProductImage property should not be retrieved by using DataLoadOptions

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://geekswithblogs.net/AzamSharp/archive/2008/03/29/120847.aspx
http://weblogs.asp.net/scottgu/archive/2007/05/29/linq-to-sql-part-2-defining-our-data-model-classes.aspx

QUESTION 2
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that uses Entity Framework. The application includes the following Entity SQL (ESQL) query.

```
SELECT VALUE product
FROM AdventureHorksEntities.Products AS product
ORDER BY product.ListPrice
```

You need to modify the query to support paging of the query results.

Which query should you use?

A. SELECT TOP Stop VALUE product
   FROM AdventureHorksEntities.Products AS product ORDER BY product.ListPrice SKIP @skip
B. SELECT VALUE product
   FROM AdventureHorksEntities.Products AS product ORDER BY product.ListPrice SKIP @skip LIMIT @limit
C. SELECT SKIP @skip VALUE product
   FROM AdventureHorksEntities.Products AS product ORDER BY product.ListPrice LIMIT @limit
D. SELECT SKIP @skip TOP Stop VALUE product
   FROM AdventureHorksEntities.Products AS product ORDER BY product.ListPrice

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

http://msdn.microsoft.com/en-us/library/bb738702.aspx

QUESTION 3
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that connects to two separate Microsoft SQL Server 2008 databases. The Customers database stores all the customer information, and the Orders database stores all the order information.

The application includes the following code. (Line numbers are included for reference only.)

```
01 try
02 {
03 conn.Open();
04 tran = conn.BeginTransaction("Order");
05 SqlCommand cmd = new SqlCommand();
06 cmd.Connection = conn;
07 cmd.Transaction = tran;
08 tran.Save("save1");
09 cmd.CommandText - "INSERT INTO [Cust].dbo.Customer " + "(Name, PhoneNumber) VALUES ('Paul
Jones', " + "'404-555-1212')"; 10 cmd.ExecuteNonQuery(); iltran.Save("save2");
12 cmd.CommandText = "INSERT INTO [Orders].dbo.Order " + "(CustomerID) VALUES (1234)";
13 cmd.ExecuteNonQuery();
14 tran.Save("save3");
15 cmd.CommandText = "INSERT INTO [Orders] .dbo." + "OrderDetail (OrderlD, ProductNumber) VALUES" +
"(5678, 'DC-6721')"; 16 cmd.ExecuteNonQuery();
17 tran.Commit();
18 }
19 catch (Exception exj
20 {
22 }
```

You run the program, and a timeout expired error occurs at line 16.

You need to ensure that the customer information is saved in the database. If an error occurs while the order is being saved, you must roll back all of the order information and save the customer information.

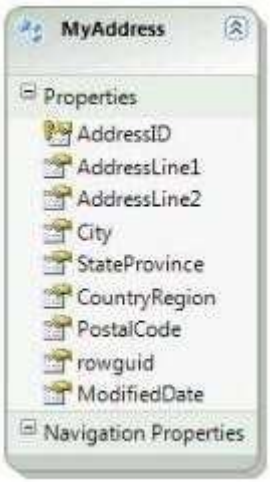
Which line of code should you insert at line 21?

A. tran.Rollback ();
B. tran. Rollback ("save2"); tran.Commit();
C. tran. Rollback (); tran.Commit();
D. tran.Rollback("save2");

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqltransaction.save.aspx
http://msdn.microsoft.com/en-us/library/4ws6y4dy.aspx

QUESTION 4
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the Entity Framework Designer to create the following Entity Data Model.



The application contains a class as shown in the following code segment.

```
public class MyBaseClass : EntityObject
{
....
}
```

You need to ensure that all generated entities inherit from MyBaseClass.

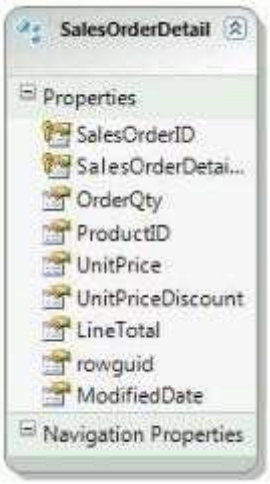
What should you do?

A. Change MyBaseClass to inherit from ObjectContext.
B. Create a new ObjectQuery that uses MyBaseClass as the type parameter.
C. Modify the generated code file so that all entities inherit from MyBaseClass.
D. Use the ADO.NET EntityObject Generator template to configure all entities to inherit from MyBaseClass.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
http://blogs.msdn.com/b/efdesign/archive/2009/01/22/customizing-entity-classes-with-t4.aspx

QUESTION 5
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the Entity Framework. The application defines the following Entity Data Model.



Within the .edmx file, the following function is defined,

<Funccion Naroe="Round" ReturnType="Decimal">
<Parameter Name="val" Type="Decimal" />
<DefiningExpression>
CAST(val as Edm.Int32)
</DefiningExpcession>
</Function>

The application includes the following LINQ query. var query = from detail in context .SalesOrderDetails select detai1.LineTotal.Bound() ;

You need to ensure that the Round function executes on the database server when the query is executed.

Which code segment should you use?

A. public static class DecimalHelper
{
[EdmFunction("SqlServer", "Round")]
public static Decimal Round(this Decimal Amt)
{
throw new NotSupportedExceptionf);
}
}

B. public static class DecimalHelper
{
[EdmFunction("Edm", "Round")]
public static Decimal Round(this Decimal Amt)
{
throw new NotSupportedException();
}
}

C. public static class DecimalHelper
{
public static SqlDecimal Round(this Decimal input) < return SqlDecimal.Round(input, 0);
}
}

D. public static class DecimalHelper
{
public static Decimal Round(this Decimal input)
{
return (Decimal)(Int32)input;

```
}
}
```

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/dd456857.aspx

QUESTION 6
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the Entity Framework Designer to create an Entity Data Model (EDM). You need to create a database creation script for the EDM.

What should you do?

A. Use a new Self-Tracking Entities template.
B. Drag entities to Server Explorer.
C. Run the Generate Database command.
D. Select Run Custom Tool from the solution menu.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://blogs.msdn.com/b/efdesign/archive/2008/09/10/model-first.aspx

QUESTION 7
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application. You use the XmlReader class to load XML from a location that you do not control. You need to ensure that loading the XML will not load external resources that are referenced in the XML.

Which code segment should you use?

A. XmlReaderSettings settings = new XmlReaderSettings(); settings.ValidationType = ValidationType.None; XmlReader reader = XmlReader.Create("data.xml", settings);
B. XmlReaderSettings settings = new XmlReaderSettings(); settings.CheckCharacters = true; XmlReader reader = XmlReader.Create("data.xml", settings);
C. XmlReaderSettings settings = new XmlReaderSettings(); settings.XmlResolver = null; XmlReader reader = XmlReader.Create("data.xml", settings);
D. XmlReaderSettings settings = new XmlReaderSettings(); settings.ConformanceLevel = ConformanceLevel.Auto; XmlReader reader = XmlReader.Create("data.xml", settings);

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://stackoverflow.com/questions/215854/prevent-dtd-download-when-parsing-xml
http://msdn.microsoft.com/en-us/library/x1h1125x.aspx

QUESTION 8
AB-C#-1st

You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You add the following table to the database.

CREATE TABLE Orders(
ID numeric(18, 0) NOT NULL,
OrderName varchar(50) NULL,
OrderTime time(7) NULL,
OrderDate date NULL)

You write the following code to retrieve data from the OrderTime column. (Line numbers are included for reference only.)

```
01 SqlConnection conn = new SqlConnection (...) ;
02 conn.Open();
03 SqlCommand cmd = new SqlCommand(
"SELECT ID, OrderTime FROM Orders", conn);
04 SqlDataReader rdr = cmd.ExecuteReader(); 05
06 while(rdr.Read())
07 {08
09 }
```

You need to retrieve the OrderTime data from the database.

Which code segment should you insert at line 08?

A. TimeSpan time = (TimeSpan)rdr[lj ;
B. Timer time = (Timer)rdr[1];
C. string time = (string)rdr[1);
D. DateTime time = (DateTime)rdr[1];

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/cc716729.aspx

QUESTION 9
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application. You write the following code to update data in a Microsoft SQL Server 2008 database. (Line numbers are included for reference only.)

```
01 private void ExecuteUpdate (SqlCoiranand cmd, string connString, string updateStrnt)
02 {
03
04 }
```

You need to ensure that the update statement executes and that the application avoids connection leaks.

Which code segment should you insert at line 03?

A. SqlConnection conn = new SqlConnection(connString) ;
conn.Open ();
cmd.Connection = conn;
cmd.CommandText = updateStmt;
cmd.ExecuteNonQuery();
cmd.Connection.Close() ;

B. using (SqlConnection conn = new SqlConnection(connString))
{
cmd.Connection = conn;
cmd.CommandText = updateStmt;
cmd.ExecuteNonQuery();
cmd.Connection.Close();
}

C. using (SqlConnection conn = new SqlConnection(connString))
{
conn.Open() ;
cmd.Connection = conn;
cmd.CommandText = updateStmt;
cmd.ExecuteNonQuery() ;
}

D. SqlConnection conn = new SqlConnection(connString);
conn. Open ();
cmd.Connection = conn;
cmd.CommandText = updateStmt;
cmd.ExecuteNonQuery();

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://www.w3enterprises.com/articles/using.aspx
http://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqlconnection.aspx

QUESTION 10
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 200B database. You need to ensure that the application connects to the database server by using SQL Server authentication.

Which connection string should you use?

A. SERVER=MyServer; DATABASE=AdventureWorks;Integrated Security=SSPI; UID=sa; PWD=secret
B. SERVER-MyServer; DATABASE-AdventureWorks;UID=sa; PWD=secret
C. SERVER-HyServec; DATABASE-AdventureWocks;Integrated Security=false
D. SERVER-HyServer; DATABASE-AdventureWorks;Trusted Connection="true

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/ms254500.aspx

QUESTION 11
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You add the following stored procedure to the database.

CREATE PROCEDURE dbo.GetClassAndStudents

AS
BEGIN
SELECT * FROM dbo.Class
SELECT * FROM dbo.Student END

You create a SqIGonnection named conn that connects to the database.

You need to fill a DataSet from the result that is returned by the stored procedure. The first result set must be added to a DataTable named Class, and the second result set must be added to a DataTable named Student.

Which code segment should you use?

A. DataSet ds = new DataSet();
SqlDataAdapter ad = new SqlDataAdapter
("GetClassAndStudents", conn);
ds.Tobies.Add("Class");
ds.Tables.Add("Student");
ad.Fill(ds);

B. DataSet ds = new DataSet();
SqlDataAdapter ad = new SqlDataAdapter
("GetClassAndStudents", conn);
ad.TableMappings.Add("'Table", "Class");
ad.TableMappings.Add("Table1", "Student") ;
ad.Fill(ds) ;

C. DataSet ds = new DataSet();
SqlDataAdapter ad = new SqlDataAdapter
("GetClassAndStudents", conn);
ad.MissingMappingAction = MissingMapplngAction.Ignore; ad.Fill(ds, "Class");
ad.Fill(ds, "Student");

D. DataSet ds = new DataSet();
SqlDataAdapter ad = new SqlDataAdapter
("GetClassAndStudents", conn);
ad.Fill(ds);

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/ms810286.aspx

QUESTION 12
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities. The model contains an entity type named Product.

You need to ensure that a stored procedure will be invoked when the ObjectContext.SaveChanges method is executed after an attached Product has changed.

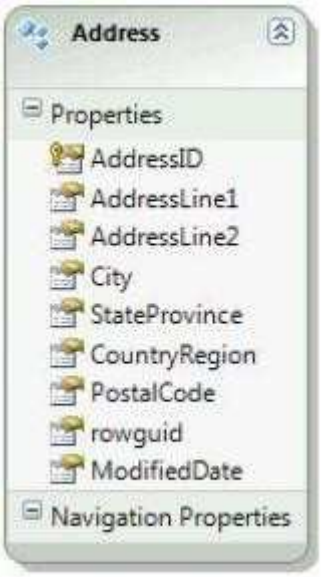
What should you do in the ADO.NET Entity Framework Designer?

A. Add a new entity that has a base class of Product that is mapped to the stored procedure.
B. Add a stored procedure mapping for the Product entity type.
C. Add a complex type named Product that is mapped to the stored procedure.
D. Add a function import for the Product entity type.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/data/gg699321

QUESTION 13
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the Entity Framework Designer to create the following Entity Data Model.



You write a method named ValidatePostalCode to validate the postal code for the application.

You need to ensure that the ValidatePostalCode method is called before the PostalCode property set method is completed and before the underlying value has changed.

Which code segment should you place in the entity's partial class?

A.
```
partial void OnPostalCodeChanged(string value)
{
PostalCode - GetValidValue<string>
(value, "ValidatePostalCode", false, true) ;
}
```
B.
```
public string ValidatedPostalCode
{
set ( ValidatePostalCode(value); _PostalCode = value; }
get
{
return _PostalCode;
}
```
C.
```
partial void OnPostalCodeChanging(string value)
{
ValidatePostalCode(value);
}
```
D.
```
public string ValidatedPostalCode
{
```

```
set
{
_PostalCode = StructuralObject.SetValidValue ("ValidatePostalCode", false); }
get
{
return _PostalCode;
}
}
```

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/cc716747.aspx

QUESTION 14
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that uses the Entity Framework. The application defines the following Entity SQL (ESQL) query, which must be executed against the mode.

```
string prodQuery = "select value p from Products as p where p.ProductCategory.Name = @p0";
```

You need to execute the query.

Which code segment should you use?

A. var prods = ctx.CreateQuery<Product>(prodQuery, new ObjectParameter("p0", "Road Bikes")).ToList();
B. var prods = ctx.ExecuteStoreCommand(prodQuery, new ObjectParameter("p0", "Road Bikes")).ToList();
C. var prods = ctx.ExecuteFunction<Product>(prodQuery, new ObjectParameter("p0", "Road Bikes")).ToList();
D. var prods = ctx.ExecuteStoreQuery<Product>(prodQuery, new ObjectParameter("p0", "Road Bikes")).ToList ();

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/bb339670.aspx

QUESTION 15
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. The application uses nested transaction scopes. An inner transaction scope contains code that inserts records into the database.

You need to ensure that the inner transaction can successfully commit even if the outer transaction rolls back.

What are two possible TransactionScope constructors that you can use for the inner transaction to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. TransactionScope(TransactionScopeOption.Required)
B. TransactionScope ()
C. TransactionScope(TransactionScopeOption.RequiresNew)
D. TransactionScope (TransactionScopeOption.Suppress)

Correct Answer: CD

Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/system.transactions.transactionscopeoption.aspx

QUESTION 16
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the Entity Framework. Entity types in the model are generated by the Entity Data Model generator tool (EdmGen.exe).

You write the following code. (Line numbers are included for reference only.)

```
01 MemoryStream stream = new MemoryStream() ;
02 var query = context.Contacts.Include("SalesOrderHeaders.SalesOrderDetails");
03 var contact = query. Where("it.LostName - Glostname", new ObjectParameter("lastname", lastName)).First
();
```

You need to serialize the contact and all of its related objects to the MemoryStream so that the contact can be deserialized back into the model.

Which code segment should you insert at line 04?

A. var formatter = new XmlSerializer(typeof(Contact), new Type[] { typeof(SalesOrderHeader), typeof(SalesOrderDetail) });
formatter.Serialize(stream contact);
B. var formatter = new XmlSerializer(typeof(Contact)); formatter.Serialize(stream, contact);
C. var formatter = new BinaryFormatter();
formatter.Serialize(stream, contact);
D. var formatter = new SoapFormatter();
formatter-Serialize(stream, contact);

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/e5aakyae.aspx

QUESTION 17
AB-C#-1st
You use Microsoft Visual Studio 2010 to create a Microsoft .NET Framework 4 application. You create an Entity Data Model for the database tables shown in the following diagram.

You need to modify the .edmx file so that a many-to-many association can exist between the Address and

Customer entities.

Which storage Model section of the .edmx file should you include?

A. <EntityType Name="CustomerAddress">
<Key>
<PropertyRef Name="CustomerAddressID" />
<PropertyRef Name="CustomerID" />
<PropertyRef Name="AddressID" />
</Key>
<Property Name="CustomerAddressID" Type="int" Nullable="false" StoreGeneratedPattern="Identity" />
<Property Name="CustomerID" Type="int" Nullable="false"/>
<Property Name="AddressID" Type="int" Nullable="false"/>
<Property Name="AddressType" Type*"nvarchar"Nullable="false" MaxLength="50"/>
</EntityType>

B. <EntityType Name="CustomerAddress">
<Key>
<PropertyRef Name="CustomerID" />
<PropertyRef Name="AddressID" />
</Key>
<Property Name="CustomerID" Type="int" Nullafole="false">
<Property Name="AddressID" Type="int" Nullable="false">
<Property Name="AddressType" Type="nvarchar"Nullable="false" MaxLength="50" DefaultValue="Home" />
>
</EntityType>

C. <EntityType Name="CustomerAddress">
<Key>
<PropertyRef Name="CustomerAddressID" />
</Key>
<Propercy Name="CustomerAddressID" Type="int"Nullable="false" StoreGeneratedPattern="Identity" />
<Property Name="CustomerID" Type="int" Nullable="false"/>
<Property Name="AddressID" Type="int" Nullafole="false">
<Property Name="AddressType" Type="nvarchar" Nullable="false" MaxLength="50"/>
</EntityType>

D. <EntityType Name="CustomerAddress">
<Key>
<PropertyRef Name="CustomerID" />
<PropertyRef Name="AddressID" />
</Key>
<Property Name="CustomerID" Type="int" Nullable="false"/>
<Property Name="AddressID" Type="int" Nullable="false"/>
<Property Name="AddressType" Type="nvarchar" Nullable="false" MaxLength="50" />
</EntityType>

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
just create database, generate EDM and open EDM with XML Editor => look at SSDL section

QUESTION 18
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities.

You need to ensure that the entities are self-tracking.

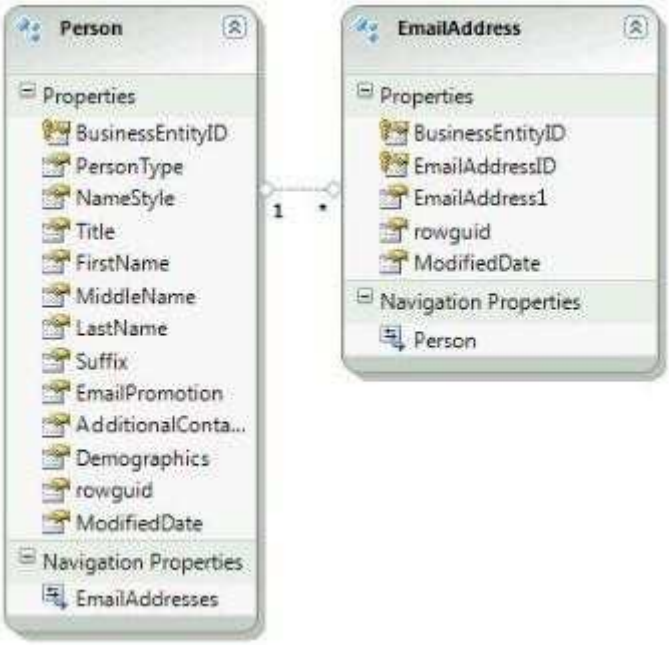
What should you do in the ADO.NET Entity Framework Designer?

A. Change the Code Generation Strategy option from Default to None.
B. Change the Transform Related Text Templates On Save option to False.
C. Add an ADO.NET Self-Tracking Entity Generator to the model.
D. Add an ADO.NET EntityObject Generator to the model.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/ff477604.aspx

QUESTION 19
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the ADO.NET Entity Framework to model entities. You create an entity model as shown in the following diagram.



You need to ensure that all Person entities and their associated EmailAddresses are loaded.

Which code segment should you use?

A. var people = context.People.Include("EmailAddresses").ToList();
B. var people = context.People.Except(new ObjectQuery<Person>("Person.EmailAddresses", context)).ToList();
C. var people = context.People.Except(new ObjectQuery<Person>("EmailAddresses", context)).ToList();
D. var people = context.People.Include("Person.EmailAddresses").ToList();

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/bb896272.aspx

QUESTION 20
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that connects to a local Microsoft SQL Server 2008 database. The application can access a high-resolution timer.

You need to display the elapsed time, in sub-milliseconds (<1 millisecond), that a database query takes to execute.

Which code segment should you use?

A. int Scare - Environment.TickCount;
command.ExecuteNonQuery();
int Elapsed = (Environment.TickCount) - Start;
Console.WriteLine("Time Elapsed: {0:N3} ins", Elapsed);
B. Stopwatch sw = Stopwatch.StartNew();
command.ExecuteNonQuery() ;
sw.StopO ;
Console.WriteLine("Time Elapsed: {0:N3} ms",
sw.Elapsed.TotalMilliseconds);
C. DateTime Start = DateTime.UtcNow;
command.ExecuteNonQuery();
TimeSpan Elapsed = DateTime.UtcNow - Start;
Console.WriteLine("Time Elapsed: {0:N3> ms",
Elapsed.Milliseconds);
D. Stopwatch sw = new Stopwatch();
sw.Start () ;
command.ExecuteNonQuery(); sw.Stop();
Console. WriteLine ("Time Elapsed: {0:N3> ms",
sw.ElapsedMilliseconds);

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/system.diagnostics.stopwatch.aspx

QUESTION 21
AB-C#-1st
You are developing an ADO.NET 4 application that interacts with a Microsoft SQL Server 2008 server through the SQL Server Native Client. You create a trace DLL registry entry and you register all of the trace schemas.

You need to trace the application data access layer.

Which control GUID file should you use?

A. ctrl.guid.snacl
B. ctrl.guid.mdac
C. ctrl.guid.adonet
D. ctrl.guid.msdadiag

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 22
AB-C#-1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities.

You need to associate a previously deserialized entity named personl to an object context named model and persist changes to the database.

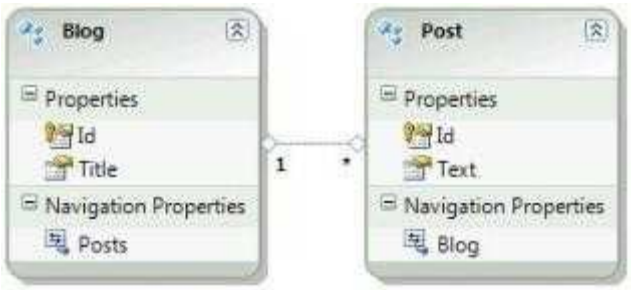
Which code segment should you use?

A. personl.AcceptChanges();
   mode1.SaveChanges();
B. model.People.ApplyChanges(personl) ;
   mode1.SaveChanges();
C. model.AttachTo("People", personl);
   model.SaveChanges();
D. model.People.Attach(personl);
   model.SaveChanges();

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/bb896271.aspx
http://msdn.microsoft.com/en-us/library/bb896248(v=vs.90).aspx
http://msdn.microsoft.com/en-us/library/bb896248.aspx

QUESTION 23
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that uses WCF Data Services to persist entities from the following Entity Data Model.



You create a new Blog instance named newBlog and a new Post instance named newPost as shown in the following code segment. (Line numbers are included for reference only.)

```
01 Blog newBlog = neu Blog();
02 Post neuPost = neu Post ();
04 Uci serviceUri = new Uri ("... ");
05 BlogsEntities context = new BlogsEntities(serviceUri);
06
```

You need to ensure that newPost is related to newBlog through the Posts collection property and that newPost and newBlog are sent to the service.

Which code segment should you insert at line 06?

A. context.AttachLink(newBlog, "Posts", newPost);
context.SaveChanges(SaveChangesOptions.Batch) ;

B. newBlog.Posts.Add(newPost) ;
context.AddToBlogs(newBlog) ;
context.AddToPosts(newPost) ;
context.SaveChanges(SaveChangesOptions.Batch) ;

C. newBlog.Posts.Add(newPost) ;
context.AttachTo("Blogs", newBlog) ;
context.AttachTo("Posts", newPost);
context.SaveChanges(SaveChangesOptions.Batch) ;

D. newBlog.Posts.Add(newPost) ;
context.UpdateObject(newBlog) ;
context.UpdateObject(newPost);
context.SaveChanges(SaveChangesOptions.Batch);

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
AB-C#-1st
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. The application includes a table adapter named taStore, which has the following DataTable.

There is a row in the database that has a ProductID of 680.

You need to change the Name column in the row to "New Product Name".

Which code segment should you use?

A. var dt = new taStore.ProductDataTable();
var ta = new taStoreTableAdapters.ProductTableAdapter();
ta.Fill(dt);
taStore.ProductRow row = (taStore.ProductRow)
dt.Rows.Find(680) ;
row.Name = "New Product Name";
ta.Update(row);

B. var ta = new taStoreTableAdapters.ProductTableAdapter();
var dt = ta.GetData();
var row = dt.Select("680") ;
row[0]["Name"] = "New Product Name";
ta.Update(row);

C. var dt = new taStore.ProductDataTable();
var ta = new taStoreTableAdapters.ProductTableAdapter();

```
ta.Fill(dt);
var dv = new DataView();
dv.RowFilter = "680";
dv[0]["Name"] = "New Product Name";
ta.Update(dt);
```

D.
```
var dt = new taStore.ProductDataTable();
var row = dt,NewProductRow();
row.ProductID = 680;
row.Name = "New Product Name";
dt.Rows.Add(row) ;
```

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/bz9tthwx(v=vs.80).aspx

QUESTION 25
CD-C#
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to several SQL Server databases.

You create a function that modifies customer records that are stored in multiple databases. All updates for a given record are performed in a single transaction.

You need to ensure that all transactions can be recovered.
What should you do?

A. Call the RecoveryComplete method of the TransactionManager class.
B. Call the EnlistDurable method of the Transaction class.
C. Call the Reenlist method of the TransactionManager class.
D. Call the EnlistVolatile method of the Transaction class.

Correct Answer: B
Section: (none)
Explanation

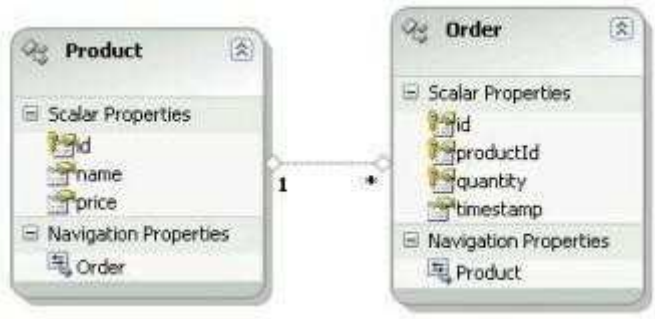
Explanation/Reference:
Volatile resource managers cannot recovery from failure to complete a transaction in which they were participating. To obtain a durable enlistment in a transaction, use the EnlistDurable method. For more information on volatile and durable resources, as well as how to enlist a resource, see Implementing A Resource Manager. For more information on how a resource manager responds to commit notification and prepare the commit, see Committing A Transaction In Single-Phase and Multi-Phase.

http://msdn.microsoft.com/en-us/library/ms149779.aspx

QUESTION 26
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. You create stored procedures by using the following signatures:
.
CREATE procedure [dbo].[Product Insert](@name varchar(50),@price float) ·
CREATE procedure [dbo].[Product_Updatej (@id int, Bname varchar(50), @price float)
.
CREATE procedure [dbo].[Product_Delete] (@ Id int) ·
CREATE procedure [dbo].[Order_Insert] (@productld Int, Gquantity Int) ·
CREATE procedure [dbo].[Order_Update](@id int, Gquantity int,GoriginalTimestamp tlmestamp)

.
CREATE procedure [dbo].[Order_Delete](@id int)

You create a Microsoft ADO.NET Entity Data Model (EDM) by using the Product and Order entities as shown in the exhibit. (Click the Exhibit button.)



You need to map the Product and Order entities to the stored procedures.

To which two procedures should you add the @productId parameter? (Each correct answer presents part of the solution. Choose two.)

A. Order_Delete
B. Product_Update
C. Order_Update
D. Product_Delete

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
CD-C# 1st
You use Microsoft .NET Framework 4 to develop an application that exposes a WCF Data Services endpoint.

The endpoint uses an authentication scheme that requires an HTTP request that has the following header format.

GET /OData.svc/Products(1)
Authorization: WRAP access_token "123456789"

You add the following method to your DataService implementation.
protected override void OnStartProcessingRequest(ProcessRequestArgs args)
{
...
}

You need to ensure that the method retrieves the authentication token.

Which line of code should you use?

A. string token = args.OperationContext.RequestHeaders ["Authorization"] ;
B. string token = args.OperationContext.RequestHeaders ["WRAP access token"];
C. string token = args.OperationContext.ResponseHeaders ["Authorization"] ;

D. string token = args.OperationContext.ResponseHeaders ["WRAP access token"];

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://blogs.msdn.com/b/astoriateam/archive/2010/08/19/odata-and-authentication-part-8-oauth-wrap.aspx

QUESTION 28
CD-C# 1st
You are developing a WCF data service that will expose an existing Entity Data Model (EDM).
You have the following requirements:
.
Users must be able to read all entities that are exposed in the EDM.
.
Users must be able to update or replace the SalesOrderHeader entities.
.
Users must be prevented from inserting or deleting the SalesOrderHeader entities

You need to ensure that the data service meets the requirements.

Which code segment should you use in the Initialize method?

A. config.SetEntitySetAccessRule("*", EntitySetRights.AllRead);
config.SetEntitySetAccessRule("SalesOrderHeader",EntitySetRights.AllWrite);
B. config.SetEntitySetAccessRule("*", EntitySetRights.AllRead);
config.SetEntitySetAccessRule("SalesOrderHeader", EntitySetRights.WriteMerge |
EntitySetRights.WriteReplace);
C. config.SetEntitySetAccessRule("*", EntitySetRights.AllRead);
config.SetEntitySetAccessRule("SalesOrderHeader", EntitySetRights.WriteAppend |
EntitySetRights.WriteDelete);
D. config.SetEntitySetAccessRule("*", EntitySetRights.AllRead);
config.SetEntitySetAccessRule("SalesOrderHeader",EntitySetRights.All);

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/ee358710.aspx
http://msdn.microsoft.com/en-us/library/system.data.services.entitysetrights.aspx

QUESTION 29
CD-C# 1st
You use Microsoft .NET Framework 4 to develop an application that uses LINQ to SQL.

The LINQ to SQL model contains the Product entity. A stored procedure named GetActiveProducts performs a query that returns the set of active products from the database.

You need to invoke the stored procedure to return the active products, and you must ensure that the UNQ to SQL context can track changes to these entities.

What should you do?

A. Select the Product entity, view the entity's property window, and change the Name for the entity to GetActiveProducts.
B. Add a property named GetActiveProducts to the Product entity.

C. Navigate to the GetActiveProducts stored procedure in Server Explorer, and drag the procedure onto the Product entity in the LINQ to SQL model designer surface.
D. Select the Product entity, view the entity's property window, and change the Source for the entity to GetActiveProducts.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://weblogs.asp.net/scottgu/archive/2007/08/16/linq-to-sql-part-6-retrieving-data-using-stored-procedures.aspx

QUESTION 30
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities. You retrieve an entity from an object context. A different application updates the database.

You need to update the entity instance to reflect updated values in the database.

Which line of code should you use?

A. context.Refresh(RefreshMode.StoreWins, entity);
B. context.LoadProperty(entity, "Client",MergeOption.OverwriteChanges);
C. context.AcceptAllChanges() ;
D. context.LoadProperty(entity, "Server",MergeOption.OverwriteChanges);

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/bb896255.aspx

QUESTION 31
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You use the ADO.NET Entity Framework Designer to model entities. You add the following stored procedure to the database, and you add a function import to the model.

```
CREATE PROCEDURE [dbo].[InsertDepartment]
@Name nvarchar(50),
@ ID int - NULL OUTPUT
AS
INSERT INTO Department (Name) VALUES (@Name)
SELECT @ID = SCOPE_IDENTITY()
```

You need to insert a new department and display the generated ID.
Which code segment should you use?

A.
```
using (SchoolEntities context = new SchoolEntities()) {
var id = new ObjectParameter("ID",typeof(int));
context.InsertDepartment("Department 1", id);
Console.WriteLine(id.Value);
```

B.
```
using (SchoolEntities context = new SchoolEntities()) {
var id = context.InsertDepartment("Department 1", null);
Console.WriteLine(id) ;
}
```

C.
```
using (SchoolEntities context  new SchoolEntities()) {
ObjectParameter id = null;
context.InsertDepartment("Department 1", id);
Console.WriteLine(id.Value);
}
```

D.
```
using (SchoolEntities context = new SchoolEntities()) {
var id = new ObjectParameter("ID", null));
context.InsertDepartment("Department 1", id);
Console.WriteLlne(id.Value);
}
```

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
http://blogs.microsoft.co.il/blogs/gilf/archive/2010/05/09/how-to-retrieve-stored-procedure-output-parameters-in-entity-framework.aspx

QUESTION 32
CD-C# 1st
You use Microsoft .NET Framework 4 to develop an ASP.NET Web application that connects to a Microsoft SQL Server 2008 database. The application uses Integrated Windows authentication in Internet Information Services (IIS) to authenticate users.

A connection string named connString defines a connection to the database by using integrated security.

You need to ensure that a SqlCommand executes under the application pool' s identity on the database server.

Which code segment should you use?

A.
```
using (vac conn = new SqlConnection())
{
conn.ConnectionString = connString;
SqlCommand cmd = null;
using (HostingEnvironment.Impersonate())
{
cmd = new SqlCommand("SELECT * FROM BLOG", conn);
}
conn.Open();
var result = cmd.ExecuteScalar(); )
```

B.
```
using (var conn = new SqlConnection(connString))
var cmd = new SqlCommand ("SELECT * FROM BLOG, conn); conn.Open();
using (HostingEnvironment.Impersonate( ))
{
var result = cmd.ExecuteScalar(); )
}
```

C.
```
using (vac conn = new SqlConneccion())
{
using (HostingEnvironroent.Impersonate(J)
```

conn.ConnectionString = connString;
}
vac crod = new SqlComroand("SELECT * FROM BLOC, conn); conn.Open() ; vac result -
crod.ExecuteScalac() ;
}

D. using (vac conn = new SqlConnection())
conn.ConnectlonStcing = connStcing;
vac crod = new SqlCommand("SELECT * FROM BLOC", conn); using (HostingEnvironroent.Impersonate())
{
conn.Open() ;
)
vac cesult = crod.ExecuteScalac();
}

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 33
CD-C# 1st
You need to fill a DataSet from the result that is returned by the stored procedure. The first result set must be added to a DataTable named Class, and the second result set must be added to a DataTable named Student.

Which code segment should you use?

A. DataSet ds - new DataSet ();
SqlDataAdapter ad = new SqlDataAdapter("GetClassAndStudents", conn);
ad.Fill(ds);

B. DataSet ds = new DataSet();
SqlDataAdapter ad = new SqlDataAdapter("GetClassAndStudents", conn);
ds.Tables.Add("Class") ;
dsTables.Add("Student") ;
ad.Fill(ds) ;

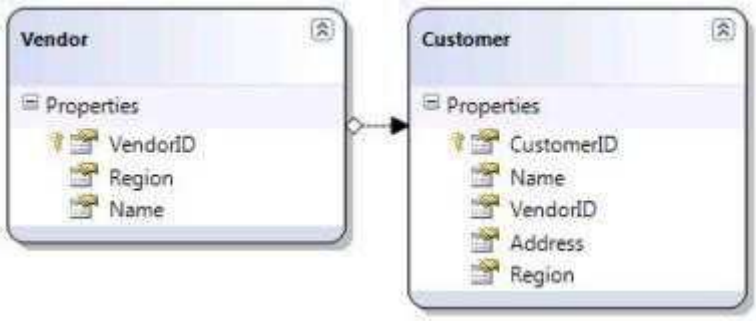
C. DataSet ds = new DataSet ();
SqlDataAdapter ad = new SqlDataAdapter("GetClassAndStudents", conn);
ad.MissingMappingAction = MissingMappingAction.Ignore;
ad.Fill(ds, "Class");
ad.Fill(ds, "Student");

D. DataSet ds = new DataSet ();
SqlDataAdapter ad = new SqlDataAdapter("GetClassAndStudents", conn);
ad.TableMappings.Add("Table", "Class");
ad.TableMappings.Add("Tablel", "Student");
ad.Fill(ds) ;

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/ms810286.aspx

QUESTION 34
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses LINQ to SQL. The application contains the following model.



Each region contains a single vendor. Customers order parts from the vendor that is located in their region. You need to ensure that each row in the Customer table references the appropriate row from the Vendor table.

Which code segment should you use?

A.
```
SalesDataContext dc = new SalesDataContext( "··· " );
var query = from v in dc.Vendors
join c in dc.Customers on v.VendorID equals c.VendorID
select new { Vendor = v, Customer= c };

foreach (var u in query)
{
Customer.Region = u.Vendor.Region;
}
dc.SubmitChanges();
```

B.
```
SalesDataContext dc = new SalesDataContext( "··· " );
var query = from c in dc.Customers
join v in dc.Vendors on c.VendorID equals v.VendorID
select new { Customer = c. Vendor = v };

foreach (var u in query)
{
Vendor.Region = u.Customer.Region;
dc.SubmitChanges();
```

C.
```
SalesDataContext dc = new SalesDataContext ( "··· " ) ;
var query = from v in dc.Vendors
join c in dc.Customers on v.Region equals c.Region
select new { Vendor =v, Customer = c };

foreach (var u in query)
{
Customer.VendorID = u.Vendor.VendorID;
}
dc.SubmitChanges();
```

D.
```
SalesDataContext dc = new SalesDataContext ( "··· " ) ;
var query = from c in dc.Customers
join v in dc.Vendors on c.Region equals v.Region
select new { Customer = c. Vendor = v };
foreach (var u in query)
{
Vendor.VendorID = u.Customer.VendorID;
}
dc.SubmitChanges();
```

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Answer: Pending

QUESTION 35
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You need to prevent dirty or phantom reads.

Which IsolationLevel should you use?

A. Snapshot
B. Serializable
C. ReadUncommited
D. ReadCommitted

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 36
CD-C# 1st
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database.
You populate a SqlDataAdapter by using the following code. (Line numbers are included for reference only.)

```
01 SqlDataAdapter dataAdapterl = new SqlDataAdapter ("SELECT * FROM [BlogEntries] ORDER BY
CreationDote", connection);
02 cmdBuilder  = new SqlCommandBuilder(dataAdapterl);
03 dataAdapterl.Fill(BlogEntryDataSet, "BlogEntries");
04
05 connection.Close()
```

You need to update the blog owner for all BlogEntry records.

Which code segment should you insert at line 04?

A.
```
foreach(DataRow row in BlogEntryDataSet.Tables["BlogEntries"] .Rows)
{
row.Item["BlogOwner""] = "New Owner";
}
dataAdapterl.Update(BlogEntryDataSet, "BlogEntries");
```
B.
```
foreach(DataRow row in BlogEntryDataSet.Tables["BlogEntries"].Rows)
{
row.Item["BlogOwner""] = "New Owner";
}
dataAdapterl.Fill(BlogEntryDataSet, "BlogEntries");
```
C.
```
SqlDataAdapter dataAdapter2 = new SqlDataAdapter("UPDATE [BlogEntries] SET [BlogOwner = 'New
'Owner' 3", connection);
dataAdapter2.Update(BlogEntryDataSet, "BlogEntries");
```
D.
```
SqlDataAdapter dataAdapter2 = new SqlDataAdapter(dataAdapterl.UpdateCommand) ;
dataAdapter2.Fill(BlogEntryDataSet, "BlogEntries");
```

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqlcommandbuilder.aspx

QUESTION 37
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses LINQ to SQL. The application contains the following model.

You write the following code. (Line numbers are included for reference only.)
01 static void Insect()
02 {
03 NorthwindDataContext dc = new NorthwindDataContext();
04 Customer newCustomer = new Customer();
05 newCustomer.Firstname = "Todd";
06 newCustomer.Lastname = "Meadows";
07 newCustomer.Email = "troeadows@contoso.com";
08
09 dc.SubmitChanges();
10 {

A product named Bike Tire exists in the Products table. The new customer orders the Bike Tire product.

You need to ensure that the correct product is added to the order and that the order is associated with the new customer.

Which code segment should you insert at line 08?

A. Order newOrder = new Order();
   newOrder.Product = (from p in dc.Products where p.ProductName == "Bike Tire" select p) .First();
B. Product newProduct = new Product();
   newProduct.ProductName = "Bike Tire";
   Order newOrder = new Order();
   newOrder.Product = newProduct;
C. Product newProduct = new Product();
   newProduct.ProductName = "Bike Tire";
   Order newOrder = new Order ();
   newOrder.Product = newProduct;
   newCustomer.Orders.Add(newOrder) ;
D. Order newOrder = new Order();
   newOrder.Product = (from p in dc.Products where p.ProductName == "Bike Tire" select p).First();
   newCustomer.Orders.Add(newOrder) ;

Correct Answer: D
Section: (none)

Explanation

Explanation/Reference:

QUESTION 38
CD-C# 1st
You use Microsoft .NET Framework 4 to develop an ASP.NET 4 Web application. You need to encrypt the connection string information that is stored in the web.config file. The application is deployed to multiple servers.

The encryption keys that are used to encrypt the connection string information must be exportable and importable on all the servers.

You need to encrypt the connection string section of the web.config file so that the file can be used on all of the servers.

Which code segment should you use?

A. Configuration config = WebConfigurationManager.OpenWebConfiguration("...") ;
ConnectionStringsSection section =(ConnectionStringsSection) config.GetSection("connectionStrings");
section.SectionInformation.ProtectSection("RsaProtectedConfigurationProvider");
config.Save();
B. Configuration config = WebConfigurationManager.OpenMachineConfiguration("~");
ConnectionStringsSection section = (ConnectionStringsSection)config.GetSection("connectionStrings");
section.SectionInformotion.ProtectSection("RsaProtectedConfigurationProvider");
config.Save();
C. Configuration config = WebConf igurationHanager. OpenWebConfiguration ("~") ;
ConnectionStringsSection section = (ConnectionStringsSection) config.GetSection("connectionStrings") ;
section.SectionInformation.ProtectSection("DpapiProtectedConfigurationProvider");
config.Save();
D. Configuration config = WebConfigurationManager.OpenMachineConfiguration ("~") ;
ConnectionStringsSection section = (ConnectionStringsSection)config.GetSection("connectionStrings") ;
section.SectionInformation.ProtectSection("DpapiProtectedConfigurationProvider");
config.Save() ;

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application that connects to a database by using the Entity Framework. You create an Entity Data Model (EDM) by using the Generate from database wizard for the following tables.

You need to ensure that the EDM contains an entity type named Employee that contains all of the data from

both tables.

What should you do?

A. Delete the EmployeeAccess entity, create a new property named CanAccessBuilding5 on the Employee entity, and add a mapping for the new property.
B. Create an inheritance relationship between the Employee and EmployeeAccess entities, and use CanAccessBuildingS as an inheritance condition.
C. Modify the .edmx file to include the following line of code.
<NovigationProperty Name="Type" FromRole="EmployeeAccess" ToRole="Employee" />
D. Create a one-to-one association named CanAccessBuildingSAssociation between the EmployeeAccess entity and the Employee entity.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the Entity Framework. The application has an entity model that contains a SalesOrderHeader entity. The entity includes an OrderDate property of type DateTime.

You need to retrieve the 10 oldest SalesOrderHeaders according to the OrderDate property.

Which code segment should you use?

A. var model = new AdventureUorksEntities();
var sales =
model.SalesOrderHeaders.Take(10).OrderByDescending (soh => soh.OrderDate);
B. var model = new AdventureUorksEntities();
var sales =
model.SalesOrderHeaders.OrderByDescending(soh => soh.OrderDate).Take(10);
C. var model = new AdventureUorksEntities();
var sales =
model.SalesOrderHeaders.OrderBy(soh => soh.OrderDate).Take(10);
D. var model = new AdventureUorksEntities();
var sales =
model.SalesOrderHeaders.Take(10).OrderBy(soh => soh.OrderDate);

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
CD-C# 1st
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application.
You are creating the data layer of the application. You write the following code segment. (Line numbers are included for reference only.)

```
01 public static SqlDataReader GetDataReader(string sql) {
02 SqlDataReader dr = null;
```

03 return dr;
05 }

You need to ensure that the following requirements are met:
.
The SqlDataReader returned by the GetDataReader method can be used to retrieve rows from the database.
.
SQL connections opened within the GetDataReader method will close when the SqlDataReader is closed.

Which code segment should you insert at line 03?

A.
```
SqlConnection cnn = new SqlConnectlon(strCnn);
SqlCommand cmd = new SqlCottmandfsql, cnn);
cnn.Open() ;
try {
dr = cmd.ExecuteReader();
cnn.Close();
{
catch {
throw;
}
```

B.
```
SqlConnection cnn = new SqlConnection(scrCnn) ;
SqlCommand cmd = neu SqlCommandfsql, cnn); cnn.Open () ; try {
dr = cmd.ExecuceReader(CommandBehavior.CloseConnection); {
catch {
cnn.Close();
throw;
}
```

C.
```
using (SqlConnection cnn = new SqlConnection(strCnn)) {
try {
SqlCommand cmd = new SqlCommand(sql, cnn);
cnn.Open();
dr = cmd.ExecuteReader(); ) catch
{
throw;
}
}
```

D.
```
SqlConnection cnn = new SqlConnection(strCnn);
SqlCommand cmd = new SqlCommand(sql, cnn); cnn.Open() ; try
{
dr = cmd.ExecuteReader();
}
finally
{
cnn.Close() ;
}
```

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/y6wy5a0f.aspx

Exam B

QUESTION 1
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an ASP.NET application. The application uses Integrated Windows authentication. The application accesses data in a Microsoft SQL Server 2008 database that is located on the same server as the application. You use the following connection string to connect to the database. Integrated Security=SSPI; Initial Catalog=AdventureWorks; The application must also execute a stored procedure on the same server on a database named pubs.
Users connect to the ASP.NET application through the intranet by using Windows-based authentication.
You need to ensure that the application will use connection pooling whenever possible and will keep the number of pools to a minimum.
Which code segment should you use?

A. corrrnand.CommandText = "USE [pubs]; exec uspLoginAudit;"
   Using connection As New SqlConnection("Integrated Security=SSPI;" &
   "Initial Catalog=AdventureWorks")
   connection.Open()
   comnand.ExecuteNonQuery()
   End Using
B. command.CommandText = "exec uspLoginAudit;"
   Using connection As New SqlConnection("Integrated Security=SSPI; ")
   connection.Open()
   command.ExecuteNonQuery()
   End Using
C. command.CommandText = "USE [pubs]; exec uspLoginAudit;"
   Using connection As New SqlConnection("Initial Catalog-AdventureUorks;"
   & "Integrated Security-SSPI;" E "MultipleActiveResultSets=True")
   connection.Open()
   command.ExecuteNonQuery()
   End Using
D. command.CommandText = "exec uspLoginAudit;"
   Using connection As New SqlConnection("Integrated Security=SSPI; Initial Catalog=pubs")
   connection.Open() command.ExecuteNonQuery()
   End Using

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 2
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application.

You use the Entity Framework Designer to create an Entity Data Model using model-first development.
The database has the following requirements:
.
Each table must have a datetime column named time_modified.
.
Each table requires a trigger that updates the value of the time_modified column when a row is inserted or updated.

You need to ensure that the database script that is created by using the Generate Database From Model option meets the requirements.

What should you do?

A. Add a DateTime property named time_modified to each entity in the model, and set the property's StoreGeneratedPattern to Computed.
B. Add a new entity named time_modified to the model, and modify each existing entity so that it inherits from the new entity.
C. Create a new T4 Template, and set the DDL Generation template to the name of the new template.
D. Create a new Windows Workflow Foundation workflow, and set Database Generation Workflow to the name of the new workflow.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: pending

QUESTION 3
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server 2008 database. You use the ADO.NET Entity Framework to model your entities. You use ADO.NET self-tracking entities.

You need to ensure that the change-tracking information for the self-tracking entities can be used to update the database.

Which ObjectContext method should you call after changes are made to the entities?

A. Attach
B. SaveChanges
C. ApplyChanges
D. Refresh

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/ff407090.aspx

QUESTION 4
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server 2008 database. The database includes a table that contains information about all the employees. The database table has a field named EmployeeType that identifies whether an employee is a Contractor or a Permanent employee.

You declare the Employee entity base type. You create a new Association entity named Contractor that inherits the Employee base type.

You need to ensure that all Contractors are bound to the Contractor class.

What should you do?

A. Modify the .edmx file to include the following line of code.
<Condition ColumnNaroe="EinployeeType" Value="Contractor" />
B. Use the Entity Data Model Designer to set up a referential constraint between the primary key of the Contractor class and EmployeeType.

C. Modify the .edmx file to include the following line of code.
<NavigationProperty Name="Type" FromRole-"EmployeeType" ToRole-"Concraccor" /> <**
D. Use the Entity Data Model Designer to set up an association between the Contractor class and EmployeeType.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: pending

QUESTION 5
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that exposes a WCF Data Services endpoint.

The endpoint uses an authentication scheme that requires an HTTP request that has the following header format.

GET /OData.svc/Products(l)
Authorization: WRAP access_token "123456789"
You add the following method to your DataService implementation.

Protected Overrides Sub OnStartProcessingRequest(ByVal args As
System.Data.Services.ProcessRequestArgs)
...
End Sub

You need to ensure that the method retrieves the authentication token.

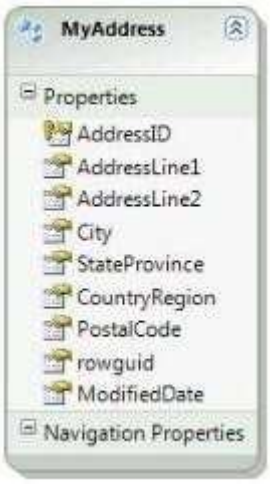
Which line of code should you use?

A. Dim token As String =
args.OperatlonContext.RequestHeaders("Authorization")
B. Dim token As String =
args.OperationContext.RequestHeaders("URAP access token")
C. Dim token As String =
args.OperationContext.ResponseHeaders("WRAP access token")
D. Dim token As String =
args.OperationContext.ResponseHeaders("Authorization")

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 6
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the Entity Framework Designer to create the following Entity Data Model.



The application contains a class as shown in the following code segment.
Public Class MyBaseClass Inherits EntityObject
End Class

You need to ensure that all generated entities inherit from MyBaseClass.

What should you do?

A. Use the ADO.NET EntityObject Generator template to configure all entities to inherit from MyBaseClass.
B. Modify the generated code file so that all entities inherit from MyBaseClass.
C. Create a new ObjectQuery that uses MyBaseClass as the type parameter.
D. Change MyBaseClass to inherit from ObjectContext.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: pending

QUESTION 7
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities.

You need to associate a previously deserialized entity named person to an object context named model and persist changes to the database.

Which code segment should you use?

A. personl.AcceptChanges()
model.SaveChanges()

B. model.People.Attach(person)
model.SaveChanges()
C. model.AttachTo("People", person)
mode1.SaveChanges()
D. model.People.ApplyChanges(person)
model.SaveChanges()

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 8
AB-VB-2nd
You use Microsoft .NET Framework 4 and the Entity Framework to develop an application. You create an Entity Data Model that has an entity named Customer. You set the optimistic concurrency option for Customer. You load and modify an instance of Customer named loadedCustomer, which is attached to an ObjectContext named context.

You need to ensure that if a concurrency conflict occurs during a save, the application will load up-to-date values from the database while preserving local changes.

Which code segment should you use?

A. Try
context.SaveChanges()
Catch ex As EntitySqlException
context.Refresh(RefreshMode.StoreWins, loadedCustomer)
End Try
B. Try
context.SaveChanges()
Catch ex As OptimisticConcurrencyException
context.Refresh(RefreshMode.ClientWins, loadedCustomer)
End Try
C. Try
context.SaveChanges()
Catch ex As EntitySqlException
context.Refresh(RefreshMode.ClientWins, loadedCustomer)
End Try
D. Try
context.SaveChanges()
Catch ex As OptimisticConcurrencyException
context.Refresh(RefreshHode.StoreWins, loadedCustomer)
End Try

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/system.data.objects.refreshmode.aspx
http://msdn.microsoft.com/en-us/library/bb738618.aspx

QUESTION 9
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the

Entity Framework. Entity types in the model are generated by the Entity Data Model generator tool (EdmGen.exe).

You write the following code. (Line numbers are included for reference only.)

01 Dim stream As MemoryStream = New HemoryStream() 02 Dim query = context.Contacts.Include("SalesOrderHeaders.SaiesOrderDetails")
03 Dim contact = query.Where("it.LastName - Slostname", New ObjectParameter("lastnarae", lastName)).First () 04

You need to serialize the contact and all of its related objects to the MemoryStream so that the contact can be deserialized back into the model.

Which code segment should you insert at line 04?

A. Dim formatter - New XmlSerializer(GetType(Contact), New Type() (GetType(SalesOrderHeader), GetType(SalesOrderDetail)})
formatter-Serialize(stream, contact)
B. Dim formatter = New BinaryFormatter()
formatter.Serialize(stream, contact)
C. Dim formatter = New XmlSerializer(GetType(Contact)) formatter.Serialize(stream, contact)
D. Dim formatter = New SoapFormatter()
formatter-Serialize(stream, contact)

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: pending

QUESTION 10
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You use the ADO.NET Entity Framework Designer to model entities. You add the following stored procedure to the database, and you add a function import to the model.

CREATE PROCEDURE [dbo]. [InsertDepartment]
@Name nvarchar(50), 8 ID int - NULL OUTPUT AS
INSERT INTO Department (Name) VALUES (BName)
SELECT 6ID = SCOPE_IDENTITY()

You need to insert a new department and display the generated ID.

Which code segment should you use?

A. Using context As New SchoolEntities()
Dim id As ObjectParameter = Nothing
context.InsectDepartment("Department 1", id)
Console.WriteLine(id.Value)
End Using
B. Using context As New SchoolEntities()
Dim id = New ObjectParameter("ID", GetType(Integer))
context.InsertDepartment("Department 1", id)
Console.HriteLine(id.Value)
End Using
C. Using context As New SchoolEntities()
Dim id = New ObjectParameter("ID", Nothing)

context.InsertDepartment("Department 1", id)
Console.HriteLine(id.Value)
End Using

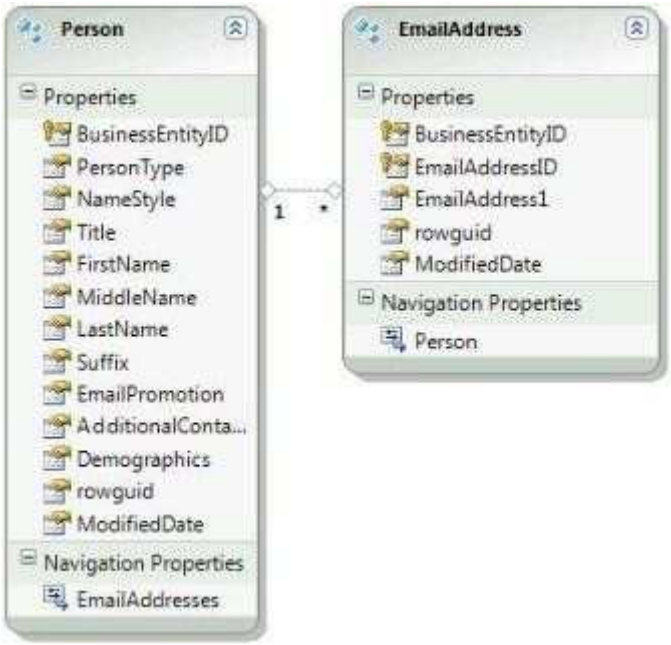
D. Using contexc As New SchoolEntities()
Dim id = context.InsertDepartment("Department 1", Nothing)
Console.WriteLine(id)
End Using

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 11
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the ADO.NET Entity Framework to model entities. You create an entity model as shown in the following diagram.

You need to ensure that all Person entities and their associated EmailAddresses are loaded.



Which code segment should you use?

A. Dim people = contexc.People.Include ("EmailAddresses").ToList()
B. Dim people = contexc.People.Except
(New ObjectQuery(Of Person)("Person.EmailAddresses", context)).ToList()
C. Dim people = context.People.Except
(New ObjectQuery(Of Person)("EmailAddresses"/ context)).ToList()
D. Dim people = context.People.Include ("Person.EmailAddresses").ToList()

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 12
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a local Microsoft SQL Server 2008 database. The application can access a high-resolution timer.

You need to display the elapsed time, in sub-milliseconds (<1 millisecond), that a database query takes to execute.

Which code segment should you use?

A. Dim Stare As Integer = Environment.TickCount
command.ExecuteNonQuery()
Dim Elapsed As Integer = (Environment.TickCount) - Start Console.WriteLine("Time Elapsed: {0:N3} ms", Elapsed)
B. Dim sw As Stopwatch = New Stopwatch() su.Start()
command.ExecuteNonQuery() su.Stop0
Console.MriteLine("Time Elapsed: {0:N3} ms", sw.ElapsedMilliseconds)
C. Dim sw As Stopwatch = Stopwatch.StartNew() command.ExecuteNonQuery() sw.Stop() Console.WriteLine ("Time Elapsed: {0:N3> ms", sw.Elapsed.Totamilliseconds)
D. Dim Start As DateTiroe = DateTime.UtcNow command.ExecuteNonQuery() Dim Elapsed As TimeSpan - DateTime.UtcNow - Start Console.UriteLine("Time Elapsed:
<0:N3> ms", Elapsed.Milliseconds)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Answer: pending

QUESTION 13
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the Entity Framework. The application defines the following Entity Data Model.
Within the .edmx file, the following function is defined.

<Functlon Name-"Round" RetuEnType-"Decimal">
<Parametec Name-"val" Type-"Decimal" />
<DefiningExpression> CAST(val as Edm.Int32)
</DefiningExpression>
</Function>

The application includes the following LINQ query.

Dim query = From detail In context.SalesOrderDetails Select detail.LineTotal.Round()

You need to ensure that the Round function executes on the database server when the query is executed.

Which code segment should you use?

A. Module DecimalHelper
<EdmFunctlon("SqlServer", "Round")>
<Extension()>
Public Function Round(ByVal Amt As Decimal) As Decimal Throw New NotSupportedException() End Function
End Module

B. Module DecimalHelper
<EdmFunction("Edm", "Round")>
<Extension()>
Public Function Round(ByVal Amt As Decimal) As Decimal Throw New NotSupportedException() End Function
End Module

C. Module DecimalHelper
<Extension()> Public Function Round(ByVal input As Decimal) As SqlDecimal Return SqlDecimal.Round (input/ 0) End Function
End Module

D. Module PecimalHelper
<Extension()>
Public Function Round(ByVal Input As Decimal) As Decimal Return Convert.ToDeclroal(Convert.ToInt32 (Input)) End Function End Module

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 14
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application. You write the following code to update data in a Microsoft SQL Server 2008 database. (Line numbers are included for reference only,)
01 Private Sub ExecuteUpdate(ByVal cmd As SqlCommand, ByVal connString As String, ByVal updateStrat As String) 02 03 End Sub You need to ensure that the update statement executes and that the application avoids connection leaks.

Which code segment should you insert at line 02?

A. Dim conn As SqlConnection = New SqlConnection(connString)
conn.Open()
cmd.Connection = conn
cmd.CommondText = updateStmt
cmd. ExecuteNonQuery ()
cmd.Connect ion.Close()

B. Using conn As New SqlConnection(connString)
cmd.Connection = conn
cmd.CommandText = updateStmt
cmd.ExecuteNonQuery()
cmd.Connection.Close()
End Using

C. Using conn As New SqlConnection(connString)
conn.Open()
cmd.Connection = conn
cmd.CommandText = updateStmt
cmd.ExecuteNonQuery()
End Using

D. Dim conn As SqlConnection = Nera SqlConnection(connStcing) conn.Open()
cmd.Connection = conn
cmd.CommandText = updateStmt
cmd.ExecuteNonQuery()

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an ASP.NET 4 Web application. You need to encrypt the connection string information that is stored in the web.config file. The application is deployed to multiple servers.

The encryption keys that are used to encrypt the connection string information must be exportable and importable on all the servers.

You need to encrypt the connection string section of the web.config file so that the file can be used on all of the servers.

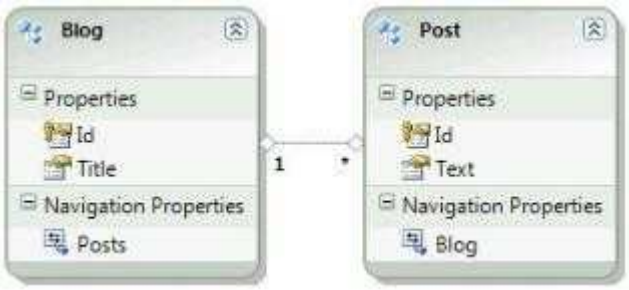
Which code segment should you use?

A. Dim config As Configuration =
WebConfigurationHanager.OpenHachineConfiguration("-") Dim seccion As ConnectionStringsSection =
DirectCast(config.GetSection("connectionStrings"), ConnectionStringsSection)
section.SectlonlnformationProtectSection(
"DpapiProtectedConfigurationProvider")
config.Save()
B. Dim config As Configuration =
WebConf igurat ionManager.OpenHachineConf igurat ion("~") Dim section As ConnectionStringsSection =
DirectCast(config.GetSection("connectionStrings"), ConnectionStringsSection)
section.SectionlnformationProtectSection(
"RsaProtectedConf igurat ionProvider")
config.Save()
C. Dim config As Configuration =
WebConfigurationHanager.OpenWebConfiguration("~")
Dim section As ConnectionStringsSection =
DirectCast(config.GetSection("connectionStrings"), ConnectionStringsSection)
section.SectionInformation.ProtectSection(
"RsaProtectedConfigurationProvider")
config.Save()
D. Dim config As Configuration =
WebConf igurat ionManager. OpenBebConf igur at ion ("-") Dim section As ConnectionStringsSection =
DirectCast(config.GetSection("connectionStrings"), ConnectionStringsSection)
section.SectionlnformationProtectSection(
"DpapiProtectedConfigurationProvider")
config.Save()

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 16
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that uses WCF Data Services to persist entities from the following Entity Data Model.



You create a new Blog instance named newBlog and a new Post instance named newPost as shown in the following code segment. (Line numbers are included for reference only.)

01 Dim newBlog As Blog = New Blog()
02 Dim newPost As Post = New Post ()
--
04 Dim serviceUri As Uri - New Uri("--")
05 Dim context As BlogsEntities =
06 New BlogsEntities (serviceUri) 07
You need to ensure that newPost is related to newBlog through the Posts collection property and that newPost and newBlog are sent to the service.
Which code segment should you insert at line 07?

A. newBlog.Posts.Add(newPost)
context.AttachTo("Blogs", newBlog)
context.AttachTo("Posts", newPost)
context.SaveChanges(SaveChangesOptions.Batch)
B. newBlog.Posts.Add(newPost)
context.UpdateObject(newBlog)
context.UpdateObject(newPost)
context.SaveChanges(SaveChangesOpt ions.Batch)
C. newBlog.Posts.Add(newPost)
context.AddToBlogs(newBlog)
context.AddToPosts(newPost)
context.SaveChanges(SaveChangesOpt ions.Batch)
D. context.AttachLink(newBlog, "Posts", newPost)
context.SaveChanges(SaveChangesOptions.Batch)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 17
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities.

You need to retrieve an entity, and you must ensure that the entity is loaded in a detached state.

Which MergeOption enumeration value should you use to retrieve the entity?

A. PreserveChanges
B. AppendOnly
C. OverwriteChanges

D. NoTracking

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/system.data.objects.mergeoption.aspx

QUESTION 18
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database You populate a SqlDataAdapter by using the following code. (Line numbers are included for reference only.)
01 Dim dataAdapterl As SqlDataAdapter = New SqlDataAdapter("SELECT * FROM [BlogEntries] " &_
"ORDER BY CreationDate", connection)
02 cindBuilder = New SqlCoittnandBuilder (dataAdapterl) 03 dataAdapter1.Fill(BlogEntryDataSet, "BlogEntries")
04 05 connection.Close()

You need to update the blog owner for all BlogEntry records.

Which code segment should you insert at line 04?

A. Dim dataAdapter2 As SqlDataAdapter = New SqlDataAdapter(dataAdapterl.UpdateCommand)
dataAdapter2.Fill(BlogEntryDataSet, "BlogEntries")
B. For Each row As DataRow In BlogEntryDataSet.Tables(_ "BlogEntries").Rows
row.Item("BlogOwner") = "New Owner"
Next
dataAdapterl.Update(BlogEntryDataSet, "BlogEntries")
C. For Each row As DataRow In BlogEntryDataSet.Tables("BlogEntries").Rows
row.Item("BlogOwner") = "New Owner"
Next
dataAdapterl.Fill(BlogEntryDataSet, "BlogEntries")
D. Dim dataAdapter2 As SqlDataAdapter = New SqlDataAdapter("UPDATE [BlogEntries] SET [BlogOwner = 'New 'Owner']", connection)
dataAdapter2.Update(BlogEntryDataSet, "BlogEntries")

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 19
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You need to prevent dirty or phantom reads.

Which IsolationLevel should you use?

A. ReadCommitted
B. Serializable
C. Snapshot
D. ReadUncommited

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 20
AB-VB-2nd
You use Microsoft Visual Studio 2010 to create a Microsoft .NET Framework 4 application. You create an Entity Data Model for the database tables shown in the following diagram.

You need to modify the .edmx file so that a many-to-many association can exist between the Address and Customer entities.

Which <3 tor age Model> section of the .edmx file should you include?

A. <EntityType Name="CustomerAddress">
<Key>
<PropertyRef Naroe="CustomerID" />
<PropertyRef Naroe="AddcessID*' />
</Key>
<Property Name-"CustomerID" Type-"intr' Nulloble-"false"/>
<Pcopercy Naroe-"AddcessID" Type-"inc" Nullable-"false"/>
<Pcopercy Name="AddcessType" Type="nvacchar"Nullable="false" MaxLength="50" />
</EntityType>

B. <EntityType Naitie="CustoitierAddress">
<Key>
<PropertyRef Nartie="CustomerID" />
<PropertyRef Name="AddressID" />
</Key>
<Property Name="CustomerID" Type="int" Nullable="false"/>
<Property Name="AddressID" Type="int" Nullable="false"/>
<Property Name="AddressType" Type="nvarchar" Nullable="false" MaxLength="50" DefaultValue="Home" />
>
</EntityType>

C. <EntityType Name="CustomerAddress">
<Key>
<PropertyRef Name="CustomerAddressID" />
</Key>
<Property Name="CustomerAddressID" Type="int" Nullable="false" StoreGeneratedPattern="Identity" />
<Property Name="CustomerID" Type="int" Nullatile="false"/>
<Property Name="AddressID" Type="int" Nullable-"falsew"/>
<Property Name="AddressType" Type="nvarchar" Nullable="false" MaxLength«"50"/>
</EntityType>

D. <EntityType Name="CustomerAddress">
<Key>

<PropertyRef Name="CustomerAddressID" />
<PropertyRef Name="CustomerID" />
<PropertyRef Name="AddressID" />
</Key>
<Property Name="CustomerAddressID" Type="int" Nullafole="false" StoreGeneratedPattern="Identity" />
<Property Name="CustomerID" Type="int" Nullable="false"/>
<Property Name="AddressID" Type="int" Nullable="false"/>
<Property Name="AddressType" Type="nvarchar" Nullable="false" MaxLength="50'7>
</EntityType>

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 21
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You add the following stored procedure to the database.
CREATE PROCEDURE dbo.GetClossAndStudents

AS
BEGIN
SELECT * FROM ctoo.Class
SELECT * FROM dbo.Student END

You create a SqlConnection named conn that connects to the database. You need to fill a DataSet from the result that is returned by the stored procedure. The first result set must be added to a DataTable named Class, and the second result set must be added to a DataTable named Student.
Which code segment should you use?

A. Dim ds As DataSet = New DataSet()
Dim ad As SqlDataAdapter = New SqlDataAdapter(
"GetClassAndStudents", conn)
ad.Tab leMappings.Add("Table", "Class")
ad.TableMappings.Add("Tablel", "Student")
ad.Fill(ds)
B. Dim ds As DataSet = New DataSet()
Dim ad As SqlDataAdapter = New SqlDataAdapter("GetClassAndStudents", conn)
ad.MissingMappingAction = MissingMappingAction.Ignore ad.Fill(ds, "Class")
ad.Fill(ds, "Student")
C. Dim ds As DataSet = New DataSet()
Dim ad As SqlDataAdapter = New SqlDataAdapter(
"GetClassAndStudents", conn)
ds. Tables . Add ("Class")
ds.Tables.Add("Student") ad.Fill(ds)
D. Dim ds As DataSet = New DataSet()
Dim ad As SqlDataAdapter = New SqlDataAdapter(
"GetClassAndStudents", conn)
ad.Fill(ds)

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Answer: Pending

QUESTION 22
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. A file named books.xml contains the following XML.

<bib>
<book title="Programming in Unix" year="1992">
<author>Author1</author>
<author>Author2</author>
<author> Author 3 </out hor>
</book>
</bib>

The application must generate an XML result that contains an XML element named BookTitle for each book. The text content of the element must contain the title of the book.

You need to create a query that generates the new XML result.

A. Dim document As XDocument = XDocument.Load ("books.xml")
Dim query = From node In document.Descendants()
Where node.Name.LocalName = "book"
Select New XElement("BookTitle", node.FirstAttribute.Value)
B. Dim document As XDocument = XDocument.Load("books.xml")
Dim query = From node In document.DescendantNodes()
Where node.ToString()= "book"
Select New XText("BookTitle" & node.ToString())
C. Dim document As XDocument = XDocument.Load("books.xml")
Dim query = From node In document.Descendants()
Where node.Name.LocalName = "book"
Select New XElement("BookTitle").Value node.FirstAttribute.Value
D. Dim document As XDocument = XDocument.Load("books.xml")
Dim query = From node In document.DescendantNodes()
Where node.ToString() = "book"
Select New XElement("BookTitle",node.ToString())

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 23
AB-VB-2nd
You use microsoft visual studio 2010 and microsoft .net framework 4 to create an application that connects to a database by using the entity framework. you create an entity data model (edm) by using the generate from database wizard for the following tables.

You need to ensure that the edm contains an entity type named employee that contains all of the data from both tables.

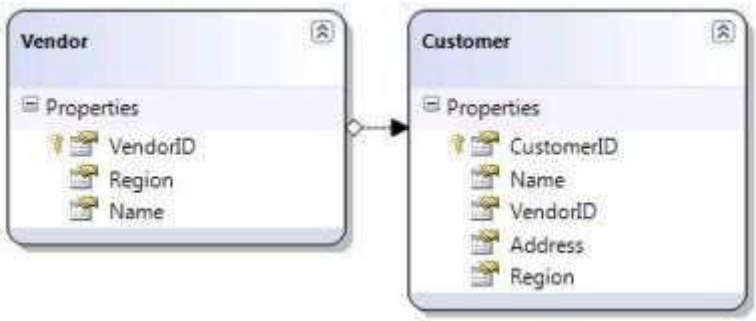
What should you do?

A. Delete the employeeaccess entity, create a new property named canaccessbuildings on the employee entity, and add a mapping for the new property.
B. Create an inheritance relationship between the employee and employeeaccess entities, and use canaccessbuildings as an inheritance condition.
C. Modify the .edmx file to include the following line of code.
<novigationpropecty name"type" FromRole" "EmployeeAccess" ToRole-"Employee" />
D. Create a one-to-one association named AcanAccessBuilding5Association between the EmployeeAccess entity and the employee entity.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 24
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses LINQ to SQL. The application contains the following model.



Each region contains a single vendor. Customers order parts from the vendor that is located in their region. You need to ensure that each row in the Customer table references the appropriate row from the Vendor table.

Which code segment should you use?

A. Dim dc As SalesDataContext = New SalesDataContext("···")
Dim query = From c In dc.Customers
Join v In dc.Vendors On c.Region Equals v.Region
Select New With {.Customer = c, -Vendor = v}
For Each u In query
Vendor.VendorlD = u.Customer.VendorlD
Next
dc.SubmitChanges()
B. Dim dc As SalesDataContext - New SalesDataContext ("···")
Dim query = From v In dc.Vendors
Join c In dc.Customers On v.Region Equals c.Region
Select New With {.Vendor = v, -Customer = c>
For Each u In query
Customer.VendorID = u.Vendor.VendorID
Next

dc.SubmitChanges()

C. Dim dc As SalesDataContext = New SalesDataContext("···")
Dim query = From c In dc.Customers
Join v In dc.Vendors On c.VendorID Equals v.VendorID
Select New With {.Customer = c, -Vendor = v)
For Each u In query
Vendor.Region = u.Customer.Region
Next
dc.SubmitChanges()

D. Dim dc As SalesDataContext - New SalesDataContext(".....)
Dim query = From v In dc.Vendors
Join c In dc.Customers On v.VendorID Equals c.VendorID
Select New With {.Vendor = v, .Customer = c} For Each u In query
Customer.Region = u.Vendor.Region
Next
dc.SubmitChanges()

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 25
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. The application uses nested transaction scopes. An inner transaction scope contains code that inserts records into the database.

You need to ensure that the inner transaction can successfully commit even if the outer transaction rolls back.

What are two possible TransoctionScope constructors that you can use for the inner transaction to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. TransactionScope(TransactionScopeOption.Required)
B. TransactionScope ()
C. TransactionScope(TransactionScopeOption.RequiresNew)
D. TransoctionScope(TransactionScopeOption.Suppress)

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 26
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that uses LINQ to SQL.

The LINQ to SQL model contains the Product entity. A stored procedure named GetActiveProducts performs a query that returns the set of active products from the database.

You need to invoke the stored procedure to return the active products, and you must ensure that the UNQ to SQL context can track changes to these entities.

What should you do?

A. Navigate to the GetActiveProducts stored procedure in Server Explorer, and drag the procedure onto the Product entity in the LINQ to SQL model designer surface.
B. Add a property named GetActiveProducts to the Product entity.
C. Select the Product entity, view the 'entity's property window, and change the Name for the entity to GetActiveProducts.
D. Select the Product entity, view the entity's property window, and change the Source for the entity to GetActiveProducts.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 27
AB-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You add the following table to the database.

CREATE TABLE Orders(
ID numeric(18, 0) NOT NULL,
OrderNaroe varchac (50) NULL,
OrderTime time (7) NULL,
OrderDate dace NULL)

You write the following code to retrieve data from the OrderTime column. (Line numbers are included for reference only.)

01 Dim conn As SqlConnection = New SqlConnection(""*") 02 conn.Open()
03 Dim cmd As SqlCommand = New SqlCommand(
"SELECT ID, OrderTime FROM Orders", conn)
04 Dim rdr As SqlDacaReader = crod.ExecuteReader() 06 While rdr.Read()
08 End While
You need to retrieve the OrderTime data from the database.

You need to retrieve the OrderTime data from the database.

Which code segment should you insert at line 07?

A. Dim time As DateTime = DirectCast (rdr (1) , DateTime)
B. Dim time As TimeSpan = DirectCast(rdr(1), TimeSpan)
C. Dim time As Timer - DirectCast(rdr(1), Timer)
D. Dim time As String = DirectCast(rdr(1), String)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: pending

QUESTION 28
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities.

You need to create a Plain Old CLR Object (POCO) class that can be used with the ObjectContext.CreateObject method to create a proxy.

What should you do?

A. Create a custom data class that has a Protected constructor that does not have parameters.
B. Create a custom data class in which all properties and methods are Overridable.
C. Create a custom data class that is Mustlnherit.
D. Create a custom data class that is Notlnheritable.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 29
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database.

You create a DataSet object in the application. You add two DataTable objects named App_Products and App_Categories to the DataSet.

You add the following code segment to populate the DataSet object. (Line numbers are included for reference only.)

01 Public Sub Filifcnx As SqlConnection, ds As DataSet) 02 Dim crod As var = cnx.CreateCorttnand()
03 cmd.CommandText - "SELECT * FROM dbo.Products;" + "SELECT * FROM dbo.Categories"
04 Dim adapter As var - New SqlDataAdapter(cmd) 05 06 End Sub

You need to ensure that App_Products and App_Categories are populated from the dbo.Products and dbo.Categories database tables. Which code segment should you insert at line 05?

A. adapter.TableMappings.Add("Products", "App_Products") adapter.TableHappings.Add("Categories", "App_Categories") adapter.Fill(ds)
B. adapter.Fill(ds, "Products")
   adapter.Fill(ds, "Categories")
C. adapter.TableMappings.Add("Table", "App_Products") adapter.TableMappings.Add("Tablel", "App_Categories") adapter.Fill(ds)
D. adapter.Fill(ds.Tables("App_Products"))
   adapter.Fill(ds.Tables("App Categories"))

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 30
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Windows Communication Foundation (WCF) Data Services service. You deploy the service to the following URL: http://contoso.com/Northwind.svc.

You want to query the WCF Data Services service to retrieve a list of customer objects. You need to ensure

that the query meets the following requirements:
.
Only customers that match the following filter criteria are retrieved: City="Seattle" AND Level > 200.
.
Data is sorted in ascending order by the ContactName and Address properties.

Which URL should you use for the query?

A. http://contoso.com/Northwind.svc/Customers?$filter=City eq 'Seattle' and Level gt 200 & $orderby=ContactName and Address
B. http://contoso.com/Northwind.svc/Customers?$filter=City eq 'Seattle' and Level gt 200 & $orderby=ContactName, Address
C. http://contoso.com/Northwind.svc/Customers?City=Seattle a Level gt 200 & $orderby=ContactName and Address
D. http://contoso.com/Northwind.svc/Customers?City=Seattle 8c Level gt 200 & $orderby=ContactName, Address

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/dd728279.aspx

QUESTION 31
AB-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server 2008 database.

You need to ensure that the application calls a stored procedure that accepts a table-valued parameter. You create a SqlParameter object.

What should you do next?

A. Set the SqlDbType of SqlParameter to Udt.
B. Set the SqlDbType of SqlParameter to Structured. Set the TypeName of SqlParameter to the type name of the table-valued parameter.
C. Set the ParometerDirection of SqlParameter to Output.
D. Set the SqlDbType of SqlParameter to Variant.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 32
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database.

The Data Definition Language (DDL) script of the database contains the following code segment.

CREATE TABLE [Sales] . [SalesOrderHeader] (
[SalesOrderlD] [int] IDENTITYU, 1) NOT NULL,
[BillToAddressID] [inc] NOT NULL,
CONSTRAINT [PK_SalesOrderHeader_SalesOrderID]

PRIMARY KEY CLUSTERED ([SalesOrderID] ASC)
)

ALTER TABLE [Sales].[SalesOrderHeader]
WITH CHECK ADD CONSTRAINT [FK_SalesOrderHeader_Address] FOREIGN KEY([BillToAddressID])
REFERENCES [Person].[Address] ([AddressID])

You create an ADO.NET Entity Framework model.

You need to ensure that the entities of the model correctly map to the DDL of the database.

What should your model contain?

A.
B.
C.
D.

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 33
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. You use Plain Old CLR objects (POCO) to model your entities. The application communicates with a Windows Communication Foundation (WCF) Data Services service.

You need to ensure that entities can be sent to the service as XML.

What should you do?

A. Apply the [Serializable] attribute to the entities.
B. Apply the [DataContract(IsReference = true)] attribute to the entities.
C. Apply the [DataContract(IsReference = false)] attribute to the entities.
D. Apply the virtual keyword to the entity properties.

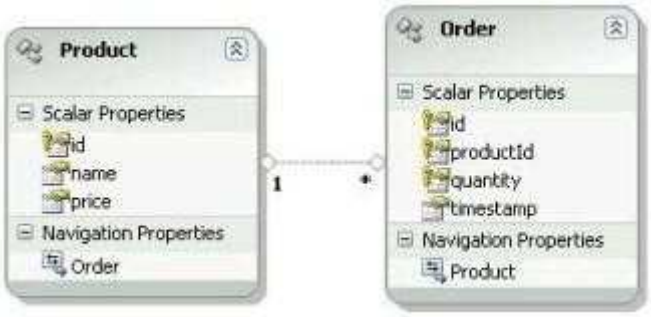
Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 34
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. You create stored procedures by using the following signatures:
.
CREATE procedure [dbo].[Product Insert] (@name varchar (50) / 6pri.ce float) ·
CREATE procedure [dbo].[Product_Updatej (@id int, Bname varchar(50), @price float)
.
CREATE procedure [dbo].[Product_Delete] (@ id int) ·
CREATE procedure [dbo] .[Order_Insert] (@productld int, @quantity int) ·
CREATE procedure [dbo] .[Order_Update] (@id int, Gquantity int,@originalTimestamp tlmestamp)

.
CREATE procedure [dbo].[Order_Delete](@id int)

You create a Microsoft ADO.NET Entity Data Model (EDM) by using the Product and Order entities as shown in the exhibit. (Click the Exhibit button.)



You need to map the Product and Order entities to the stored procedures.

To which two procedures should you add the Qproductld parameter? (Each correct answer presents part of the solution. Choose two.)

A. Order_Update
B. Order_Delete
C. Product_Delete
D. Product_Update

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 35
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities. You retrieve an entity from an object context. A different application updates the database.

You need to update the entity instance to reflect updated values in the database.

Which line of code should you use?

A. context.LoadProperty(entity, "Client", MergeOption.OverwriteChanges)
B. context.AcceptAllChanges()
C. context.LoadProperty(entity, "Server", Merge Option. OverunteChanges)
D. context.Refresh(RefreshMode.StoreWins, entity)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Answer: pending

QUESTION 36
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses LINQ to SQL. The application contains the following model.

You write the following code. (Line numbers are included for reference only.)

```
01 Shared Sub Insert()
03 Dim dc As NorthuindDataContext -
New NorthwindDataContext ("··· ")
04 Dim neuCustomer As Customer = New Customer()
05 newCustomer.Firstname = "Todd"
06 newCustomer.Lastname = "Meadows"
07 newCustomer.Email = "tmeadous@contoso.com"
09 dc.SubmitChanges()
10 End Sub
```

A product named Bike Tire exists in the Products table. The new customer orders the Bike Tire product.

You need to ensure that the correct product is added to the order and that the order is associated with the new customer.

Which code segment should you insert at line 08?

A.
```
Dim newProduct As Product = New Produce()
newProduct.ProductName = "Bike Tire"
Dim newOrder As Order = New Order()
newOrder.Product = newProduct
newCustomer.Orders.Add(newOrder)
```

B.
```
Dim newOrder As Order = New Order ()
newOrder.Product = (From p In dc.Products
Where p.ProductName - "Bike Tire"
Select p) .First () newCustomer.Orders.Add(newOrder)
```

C.
```
Dim newProduct As Product = New Product()
newProduct.ProductName = "Bike Tire"
Dim newOrder As Order = New Order()
newOrder.Product = newProduct
```

D.
```
Dim newOrder As Order = New Order()
newOrder.Product = (From p In dc.Products
Where p.ProductName = "Bike Tire"
Select p) .First ()
```

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Answer: Pending

QUESTION 37
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application that uses the Entity Framework. The application has the entity model shown in the following diagram.

The application must create a projection of the unique set of names and year-to-date sales for territories where at least one sales person had sales last year of more than $100,000. The projection must consist of properties named Sales and Name.

You need to write a query that will generate the required projection.
Which code segment should you use?

A. (From person In model.Salespersons
Where (person.SalesLastYear > 100000)
Select New With { _
person.SalesTerrltory.Name, _
.Soles = person.SalesTerritory.SalesYTD)). _
Distinct()

B. (From person In model.Salespersons
Where (person.SalesLastYear > 100000)
Select New With_
.Name + person.SalesTerritory.Name,
.Sales = person.SalesTerritory.SalesYTD
}}

C. mode l.SalesTerri tones. _
Where(Function(territory) territory.Salespersons.Any(Function(person) person.SalesLastYear > 100000)).
Select(Function(territory) Nera With {territory.Name, territory.SalesYTD})
. Distinct()

D. model.SalesTerritories. _
Where(Function(territory) territory.Salespersons.Any(Function(person) person.SalesLastYear > 100000)_
. Select(Function(territory) New With {territory.Name, Sales = territory.SalesYTD))

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 38
CD-VB-2nd
You use Microsoft .NET Framework 4 to develop an application. You use the XmlReader class to load XML from a location that you do not control.

You need to ensure that loading the XML will not load external resources that are referenced in the XML.

which code segment should you use?

A. Dim settings As XmlReaderSettings = New XmlReaderSettingsI) settings.Validat ionType = ValidationType.None
Dim reader As XmlReader
XmlReader.Create("data.xml", settings)
B. Dim settings As XmlReaderSettings - New XmlReaderSettings() settings.XmlResolver = Nothing
Dim reader As XmlReader =
XmlReader.Create("data.xml", settings)
C. Dim settings As XmlReaderSettings - New XmlReaderSettings() settings.ConformanceLevel = ConrormanceLevel.Auto
Dim reader As XmlReader =
XmlReader.Create("data.xml", settings)
D. Dim settings As XmlReaderSettings - New XmlReaderSettings() settings.CheckCharacters = True
Dim reader As XmlReader =
XmlReader.Create("data.xml", settings)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 39
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities. The model contains an entity type named Product. You need to ensure that a stored procedure will be invoked when the ObjectContext.SaveChanges method is executed after an attached Product has changed.

What should you do in the ADO.NET Entity Framework Designer?

A. Add a complex type named Product that is mapped to the stored procedure.
B. Add a function import for the Product entity type.
C. Add a stored procedure mapping for the Product entity type.
D. Add a new entity that has a base class of Product that is mapped to the stored procedure.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 40
CD-VB-2nd

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an ASP.NET Web application that uses the Entity Framework.

The build configuration is set to Release. The application must be published by using Microsoft Visual Studio 2010, with the following requirements:
.
The database schema must be created on the destination database server.
.
The Entity Framework connection string must be updated so that it refers to the destination database server.

You need to configure the application to meet the requirements.

Which two actions should you perform?(Each correct answer presents part of the solution.
Choose two.)

A. Generate the DDL from the Entity Framework Designer and include it in the project. Set the action for the DDL to ApplicationDefinition.
B. Set Items to deploy in the Package/Publish Web tab to All files in this Project Folder for the release configuration.
C. Use the web.config transform file to modify the connection string for the release configuration.
D. Include the source database entry in the Package/Publish SQL tab and update the connection string for the destination database.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 41
CD-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. You add the following stored procedure to the database.

```
CREATE PROCEDURE dtao.InsertTag
BName nvarchar (15)
AS
INSERT INTO Tags (Name) VALUES(@Name)
RETURN @@ROWCOUNT
```

You need to invoke the stored procedure by using an open SqlConnection named conn.

Which code segment should you use?

A.
```
Dira cmd As SqlCommand =
New SqlCommand("EXEC InsertTag", conn)
cmd.CommandType = CommandType.Text
cmd.Parameters.AddWithValue("eName", "New Tag 1")
cmd.ExecuteNonQuery()
```
B.
```
Dim cmd As SqlCommand =
New SqlCommand("EXEC InsertTag", conn)
cmd.CommandType = CommandType.StoredProcedure
cmd.Parameters.AddWithValue("eName", "New Tag 1")
cmd.ExecuteNonQuery()
```
C.
```
Dim cmd As SqlCommand = New SqlCommand("InsertTag", conn) cmd.CommandType =
CommandType.Text
cmd.Parameters.AddWithValue("BName", "Neu Tag 1")
```

cmd.ExecuteNonQuery()

D. Dim cmd As SqlCommand = New SqlCommand ("InsertTag", conn) cmd.CommandType = CommandType. StoredProcedure
cmd. Parameters. AddllithValue ("GName", "New Tag 1") cmd.ExecuteNonQuery()

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/yy6y35y8(v=vs.71).aspx

QUESTION 42
CD-VB-2nd
You use Microsoft .NET Framework 4 to develop an ASP.NET Web application that connects to a Microsoft SQL Server 2008 database. The application uses Integrated Windows authentication in Internet Information Services (IIS) to authenticate users.

A connection string named connString defines a connection to the database by using integrated security.

You need to ensure that a SqlCommand executes under the application pool' s identity on the database server.

Which code segment should you use?

A. Using conn As New SqlConnection()
conn.ConnectionString = connString
Dim cmd = New SqlCommand("SELECT * FROM BLOG", conn) Using HostingEnvironment.Impersonate()
conn. Open ()
End Using
Dim result = cmd.ExecuteScalar()
End Using

B. Using conn As New SqlConnection()
Using HostingEnvironment.Impersonate()
conn.ConnectionString = connString End Using
Dim cmd = New SqlCommand("SELECT * FROM BLOG", conn) conn.Open()
Dim result = cmd.ExecuteScalar()
End Using

C. Using conn = New SqlConnection(connString)
Dim cmd * New SqlCommand("SELECT * FROM BLOG", conn) conn. Open ()
Using HostingEnvironment.Impersonate()
Dim result = cmd.ExecuteScaiar()
End Using
End Using

D. Using conn As Neu SqlConnection()
conn.ConnectionString = connString
Dim cmd As SqlCommand = Nothing
Using HostingEnvironment.Impersonate()
cmd = New SqlCommand("SELECT * FROM BLOG", conn)
End Using
conn. Open ()
Dim result = cmd.ExecuteScaiar()
End Using

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:

Answer: Pending

QUESTION 43
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the ADO.NET Entity Framework Designer to model entities.

You need to retrieve an entity, and you must ensure that the entity is loaded in a detached state. Which MergeOption enumeration value should you use to retrieve the entity?

A. PreserveChanges
B. OverwriteChanges
C. AppendOnly
D. NoTracking

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 44
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. Vou use the ADO.NET Entity Framework Designer to model entities.

You need to ensure that the entities are self-tracking.

What should you do in the ADO.NET Entity Framework Designer?

A. Add an ADO.NET EntityObjecl Generator to the model.
B. Change the Transform Related Text Templates On Save option to False.
C. Change the Code Generation Strategy option from Default to None.
D. Add an ADO.NET Self-Tracking Entity Generator to the model.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 45
CD-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. The application includes a table adapter named taStore, which has the following DataTable.

There is a row in the database that has a ProductID of 680.

You need to change the Name column in the row to "New Product Name".

Which code segment should you use?

A. Dim dt = New taStore.ProductDataTable()
Dim ca = New taStoreTableAdapters.ProductTableAdapter() ca.Fill(dc)
Dim dv = New DataView()
dv.RowFilter = "680"
dv(0)("Name") = "New Product Name"
ta.Update(dt)

B. Dim dt = New taStoreTableAdapters.ProductTableAdapter() Dim dt = ta.GetData()
Dim row = dt.Select("680")
row(0)("Name") = "New Product Name"
ta.Update(row)

C. Dim dt = New taStore.ProductDataTable()
Dim row = dt.NewProductRow()
row.ProductID = 680
row.Name = "New Product Name"
dt.Rows.Add(row)

D. Dim dt = New taStore.ProductDataTable()
Dim ta = New taStoreTableAdapters.ProductTableAdapter() ta.Fill(dt)
Dim row As taStore.ProductRow =
DirectCast(dt.Rows.Find(680), taStore.ProductRow)
row.Name = "New Product Name"
ta.Update(row)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 46
CD-VB-2nd
You use Microsoft .NET Framework 4 to develop an application that connects to a Microsoft SQL Server 2008 database. The database contains a ClassStudent table that contains the StudentID for students who are enrolled in the classes.

You add the following stored procedure to the database.

CREATE PROCEDURE dbo.GetNumEnrolled
@ClassID INT,
@NumEnrolled INT OUTPUT AS BEGIN
SET NOCOUNT ON
SELECT GNumEnrolled = COUNT(StudentID)

FROM ClassStudent
WHERE (ClassID = @ClassID)
END

You write the following code. (Line numbers are included for reference only.)

01 Private Function GetNumberEnrolled(
ByVal classID As String) As Integer 02
03 Using conn As New SqlConnection(GetConnectionString()) 05 Dim cmd As SqlCommand = New SqlCommand("GetNumEnro1led", conn)
06 cmd.CommandType = CommandType.StoredProcedure
07 Dim parClass As SqlParameter - cmd.Parameters.Add("8ClassID", SqlDbType.Int, 4, classID)
08 Dim parNum As SqlParameter = cmd.Parameters.Add("@NumEnrolled", SqlDbType.Int)
10 conn.Open()
12 End Using
11 End Function

You need to ensure that the GetlMumberEnrolled method returns the number of students who are enrolled for a specific class.

Which two actions should you perform? (Each correct answer presents part of the solution.
Choose two.)

A. Insert the following code at line 09.
   parNum.Direction = ParameterDirection.Input
B. Insert the following code at line 09.
   parNum.Direction = ParameterDirection.Output
C. Insert the following code at line 11.
   Dim numEnrolled As Integer = 0
   Dim reader As SqlDataReader = cmd.ExecuteReader()
   While reader.Read()
   numEnrolled = numEnrolled +
   DirectCast(cmd.Parameters("@NumEnrolled").Value_
   Integer)
   End
   While Return numEnrolled
D. Insert the following code at line 11.
   cmd.ExecuteNonQuery()
   Return DirectCast (parNum.Value, Integer)

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 47
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to develop an application. You use the Entity Framework Designer to create the following Entity Data Model.

You write a method named ValidatePostalCode to validate the postal code for the application.

You need to ensure that the ValidatePostalCode method is called before the PostalCode property set method is completed and before the underlying value has changed.

Which code segment should you place in the entity's partial class?

A. Public Property ValidatedPostalCode As String
Get
Return _PostalCode
End Get
Set(ByVal value As String)
PostalCode - StructuralObject.SetValidValue(_
"ValidatePostalCode", False)
End Set
End Property

B. Private Sub OnPostalCodeChanging(ByVal value As String) ValidatePostalCode(value)
End Sub

C. Public Property ValidatedPostalCode As String
Get
Return _PostalCode
End Get
Set(ByVal value As String)
ValidatePostalCode(value) _
PostalCode = value
End Set
End Property

D. Private Sub OnPostalCodeChanged(ByVal value As String) PostalCode = GetValidValue(Of String)
(value, "ValidatePostalCode", False, True)
End Sub

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 48
CD-VB-2nd
You develop a Microsoft .NET Framework 4 application that uses the Entity Framework to store entities in a

Microsoft SQL Server 2008 database. While the application is disconnected from the database, entities that are added or modified are serialized to a local file.

The next time the application connects to the database, it retrieves a Customer entity from the database by using an object context named context and stores the entity in a variable named remoteCustomer. The application then deserializes the Customer entity from the local file and stores the entity in a variable named localCustomer. The remoteCustomer and the localCustomer variables have the same entity key.

You need to ensure that the offline changes to the Customer entity are persisted in the database when the ObjectContext.SaveChanges() method is called.

Which line of code should you use?

A. context.ApplyOriginalValues("Customers", remoteCustomer)
B. context.ApplyCurrentValues("Customers", localCustomer)
C. context.ApplyCurrentValues("Customers", remoteCustomer)
D. context.ApplyOriginalValues("Customers", localCustomer)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/dd487246.aspx

QUESTION 49
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database.

The application stores encrypted credit card numbers in the database.

You need to ensure that credit card numbers can be extracted from the database.

Which cryptography provider should you use?

A. MD5CryptoServiceProvider
B. AesCryptoServiceProvider
C. SHA1CryptoServiceProvider
D. DSACryptoServiceProvider

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/system.security.cryptography.aescryptoserviceprovider.aspx

QUESTION 50
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application uses the ADO.NET Entity Framework to model persistence-ignorant entities. The application operates in a disconnected mode.

You need to ensure that changes made to local entities while the application is in the disconnected mode are correctly persisted.

Which method should you call before persisting changes?

A. ObjectStateEntry.SetModifiedProperty
B. ObjectStateEntry.AcceptChanges
C. DataContext.AcceptAllChanges
D. ObjectContext.Refresh

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 51
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application.
The application connects to two different Microsoft SQL Server 2008 database servers named Serverl and Server2.
A string named sqllcontains a connection string to Serverl. A string named sql2contains a connection string to Server2.

```
01 Using scope As New
02
03 Using cn1 As New SqlConnection(sqll)
04 Try
05
06 Catch ex As Exception
07 End Try
08 End Using
09 scope.Complete()
10 End Using
```

You need to ensure that the application meets the following requirements:
.
There is a SqlConnection named cn2 that uses sql2.
.
The commands that use cn1 are initially enlisted as a lightweight transaction.
.
The cn2 SqlConnection is enlisted in the same TransactionScope only if commands executed by cn1 do not throw an exception.

What should you do?

A. Insert the following code segment at line 02.
   TransactionScope (TransactionScopeOption.RequiresNew)

   Insert the following code segment at line 05.
   cn1.Open ()
   Using cn2 As New SqlConnection(sql2)
   Try
   cn2.Open()
   Catch ex As Excepcion
   End Try
   End Using
B. Insert the following code segment at line 02.
   TransactionScope(TransaccionScopeOption.Suppress)

   Insert the following code segment at line 05.

cnl .Open()
Using cn2 As New SqlConnection(sql2)
Try
cn2.Open()
Catch ex As Exception
End Try
End Using

C. Insert the following code segment at line 02.
TransactionScope(TransactionScopeOption.Suppress)

Insert the following code segment at line 05.
Using cn2 As New SqlConnection(sql2)
Try
cn2.Open()
cn1.Open ()
Catch ex As Exception
End Try
End Using

D. Insert the following code segment at line 02.
TransactionScope(TransactionScopeOption.RequiresNew)

Insert the following code segment at line 05.
Using cn2 As New SqlConnection(sql2)
Try
cn2.Open()
cn1.Open()
Catch ex As Exception
End Try
End Using

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/ms172152(v=vs.90).aspx

QUESTION 52
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database.

You load records from the Customers table into a DataSet object named dataset.

You need to retrieve the value of the City field from the first and last records in the Customers table.

Which code segment should you use?

A. Dim dc As DataTable = dataset.Tables("Customers")
Dim first As String = dt.Rows(O)("City").ToString()
Dim last As String = dt.Rows(dt.Rows.Count)("City").ToStringO

B. Dim dt As DataTable = dataset.Tables("Customers")
Dim first As String = dt.Rows(O)("City").ToString()
Dim last As String = dt.Rows(dt.Rows.Count - 1)("City").ToString()

C. Dim relationFirst As DataRelation = dataset.Relations(0)
Dim relationLast As DataRelation = dataset.Relations(dataset.Relations.Count)
Dim first As String = relationFirst.childTable.Columns("City").ToString()
Dim last As String = relationLast.childTable.Columns("City").ToString()

D. Dim relationFirst As DataRelation = dataset.Relations(0)
Dim relationLast As DataRelation = dataset.Relations(dataset.Relations.Count - 1)
Dim first As String = relationFirst.childTable.Columns("City").ToString()
Dim last As String = relationLast.childTable.Columns("City").ToString()

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 53
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to several SQL Server databases.

You create a function that modifies customer records that are stored in multiple databases. All updates for a given record are performed in a single transaction.

You need to ensure that all transactions can be recovered.

What should you do?

A. Call the RecoveryComplete method of the TransactionManager class.
B. Call the Reenlist method of the TransactionManager class.
C. Call the EnlistDurable method of the Transaction class.
D. Call the EnlistVolatile method of the Transaction class.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 54
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. You use the ADO.NET Entity Framework to model your entities. The application connects to a Microsoft SQL Server 2008 database named AdventureWorks by using Windows Authentication.

Information about the required Entity Data Model (EDM) is stored in the following files:
.
model.csdl
.
model.ssdl
.
model.msl
These files are embedded as resources in the MyCompanyData.dll file. You need to define the connection string that is used by the application.

Which connection string should you add to the app.config file?

A. <add name="AdventureWorksEntities"
connectionString="metadata=res://MyCompany.Data,Culture=neutral,PublicKeyToken=null/model.csdl|
res: //MyCompany.Data,Culture=neutral,PublicKeyToken=null/model.ssdl| res: //
MyCompany.Data,Culture=neutral,PublicKeyToken=null/model.msl;

provider=System.Data.EntityCllent;provider connection string='Data Source=localhost; Initial Catalog=AdventureTJorks; Integrated Security=True;multipleactiveresultsets=true ' " providerName="System.Data.SqlClient" />

B. <add name="AdventureUorksEntities" connectionString="metadata=res://MyCompany. Data, Culture=neutral, PublicKeyToken=null/model .csdl | res: //MyCompany. Data,Culture=neutral, PublicKeyToken=null/model. ssdl | res: // MyCompany.Data,Culture=neutral,PublicKeyToken=null/model.msl; provider=System.Data.SqlClient;provider connection string='Data Source=locaihost; Initial Catalog=AdventureUorks; Integrated Security=True;multipleactiveresultsets=true' " providerName="System. Data.EntityClient" />

C. <add name="AdventureUorksEntities" connectionString="metadata=res://MyCompany.Data.model.csdl| res: //MyCompany.Data.model.ssdl| res: //MyCompany.Data.model.msl; provider=System.Data.SqlClient;provider connection string='Data Source=localhost; Initial Catalog=AdventureUorks;Integrated Security*SSPI;multipleactiveresultsets*true'" providerName="System.Data.EntityClient" />

D. <add name="AdventureUorksEntities" connectionString="metadata= res: //MyCompany.Data,Culture=neutral,PublicKeyToken=null/model.csdl| res: // MyCompany.Data,Culture=neutral,PublicKeyToken=null/model.ssdl| res: // MyCompany.Data,Culture=neutral,PublicKeyToken=null/model.msl; provider=System.Data.OleDBClient;provider connection string=' Provider=sqloledb;Data Source=localhost; Initial Catalog=AdventureWorks;Integrated Security=SSPI;multipleactiveresultsets=true'" providerName="System.Data.EntityClient" />

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/cc716756.aspx

QUESTION 55
CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Windows Communication Foundation (WCF) Data Services service. The service connects to a Microsoft SQL Server 2008 database. The service is hosted by an Internet Information Services (IIS) 6.0 server.

You need to ensure that applications authenticate against user information stored in the database before the application is allowed to use the service.

Which two actions should you perform? (Each correct answer presents part of the solution.Choose two.)

A. Configure IIS to require Windows authentication.
B. Configure IIS to allow anonymous access.
C. Configure IIS to require basic authentication.
D. Enable the WCF Authentication Service.
E. Modify the Data Services service to use a Microsoft ASP.NET membership provider.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Answer: Pending

QUESTION 56

CD-VB-2nd
You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Microsoft Windows Forms application,
You plan to deploy the application to several shared client computers. You write the following code segment. (Line numbers are included for reference only.)
01 Dim config As Configuration ConfigurationManager.OpenExeConfiguratlon(exeConfigName)
02
03 config.Save()
04 ...
You need to encrypt the connection string stored in the .config file.

Which code segment should you insert at line 02?

A. Dim section As ConnectionStringsSection = TryCast(config.GetSection("connectionString"), ConnectionStringsSection)
section.SectionlnformationProtectSection("DataProtectionConfigurationProvider")
B. Dim section As ConnectionStcingsSection = TryCast(config.GetSection("connectionStrings"), ConnectionStringsSection)
section.SectionlnformationProtectSection("RsaProtectedConfigurationProvider")
C. Dim section As ConnectionStringsSection = TryCast(config.GetSection("connectionString"), ConnectionStringsSection)
section.SectionlnformationProtectSection("RsaProtectedConfigurationProvider")
D. Diin section As ConnectionStringsSection = TryCast(config.GetSection("connectionStrings"), ConnectionStringsSection)
section.SectionlnformationProtectSection("DataProtectionConfigurationProvider")

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
http://msdn.microsoft.com/en-us/library/89211k9b(v=vs.80).aspx

QUESTION 57
You use Microsoft Visual Studio 2010 and the Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database. The application uses DataContexts to query the database.

You define a foreign key between the Customers and Orders tables in the database.

You need to ensure that when you delete a customer record, the corresponding order records are deleted. You want to achieve this goal by using the minimum amount of development effort.

What should you do?

A. Remove the foreign key between the Customers and Orders tables.
B. Use the ExecuteDynamicDelete method of the DataContext object.
C. Override the Delete operation of the customer entity.
D. Modify the foreign key between the Customers and Orders tables to enable the ON DELETE CASCADE option.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference: