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QUESTION 181 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. The application connects to a Microsoft SQL Server database. You use Entity SQL of the ADO.NET Entity Framework to retrieve data from the database. You need to define a custom function in the conceptual model. You also need to ensure that the function calculates a value based on properties of the object. Which two XML element types should you use? (Each correct answer presents part of the solution. Choose two.) A. Function B. FunctionImport C. Dependent D. Association E. DefiningExpression

Answer: AE QUESTION 182 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. You deploy a Windows Communication Foundation (WCF) Data Service to a production server. The application is hosted by Internet Information Services (IIS). After deployment, applications that connect to the service receive the following error message:

"The server encountered an error processing the request. See server logs for more details." You need to ensure that the actual exception data is provided to client computers. What should you do? A. Modify the application's Web.config file. Set the value for the customErrors element to Off. B. Modify the application's Web.config file. Set the value for the customErrors element to RemoteOnly. C. Add the FaultContract attribute to the class that implements the data service. D. Add the ServiceBehavior attribute to the class that implements the data service. Answer: D

QUESTION 183 The application populates a DataSet object by using a SqlDataAdapter object. You use the DataSet object to update the Categories database table in the database. You write the following code segment. (Line numbers are included for reference only.)  
01 SqlDataAdapter dataAdapter = new SqlDataAdapter("SELECT CategoryID, CategoryName FROM Categories", connection);  
02 SqlCommandBuilder builder = new SqlCommandBuilder(dataAdapter);  
03 DataSet ds = new DataSet();  
04 dataAdapter.Fill(ds);  
05 foreach (DataRow categoryRow in ds.Tables[0].Rows)  
06 {  
07 if (string.Compare(categoryRow["CategoryName"].ToString(), searchValue, true) == 0)  
08 {  
09  
10 }  
11 }  
12 dataAdapter.Update(ds);  
You need to remove all the records from the Categories database table that match the value of the searchValue variable. Which line of code should you insert at line 09?

A. categoryRow.Delete(); B. ds.Tables[0].Rows.RemoveAt(0);  
C. ds.Tables[0].Rows.Remove(categoryRow); D. ds.Tables[0].Rows[categoryRow.GetHashCode()].Delete(); Answer: A

Explanation: DataRow Class <http://msdn.microsoft.com/en-us/library/system.data.datarow.aspx> DataRow.Delete() Deletes the DataRow. QUESTION 184

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. The application connects to a Microsoft SQL Server database. The application uses the ADO.NET Entity Framework to model entities. The database includes objects based on the exhibit. (Click the Exhibit button.) The application includes the following code segment. (Line numbers are included for reference only.)  
01 using (AdventureWorksEntities advWorksContext = new AdventureWorksEntities())  
02 {  
03 }  
You need to retrieve a list of all Products from today's sales orders for a specified customer. You also need to ensure that the application uses the minimum amount of memory when retrieving the list. Which code segment should you insert at line 02? A. Contact customer = context.Contact.Where("it.ContactID = @customerId", new

```
ObjectParameter("customerId", customerId).First(); customer.SalesOrderHeader.Load(); foreach (SalesOrderHeader order in
customer.SalesOrderHeader) { &#160; order.SalesOrderDetail.Load(); &#160; if (order.OrderDate.Date ==
DateTime.Today.Date) &#160; { &#160;&#160;&#160; foreach (SalesOrderDetail item in order.SalesOrderDetail)
&#160;&#160;&#160; { Console.WriteLine(String.Format("Product: {0} ", item.ProductID)); &#160;&#160;&#160; }
&#160; } } B.&#160;&#160;&#160; Contact customer = context.Contact.Where("it.ContactID = @customerId", new
ObjectParameter("customerId", customerId).First(); customer.SalesOrderHeader.Load(); foreach (SalesOrderHeader order in
customer.SalesOrderHeader) { &#160; if (order.OrderDate.Date == DateTime.Today.Date) &#160; {
&#160;&#160;&#160; order.SalesOrderDetail.Load(); &#160;&#160;&#160; foreach (SalesOrderDetail item in
order.SalesOrderDetail) &#160;&#160;&#160; { Console.WriteLine(String.Format("Product: {0} ", item.ProductID));
&#160;&#160;&#160; } &#160; } } C.&#160;&#160;&#160; Contact customer = (from contact in
context.Contact.Include("SalesOrderHeader") select contact).FirstOrDefault(); foreach (SalesOrderHeader order in
customer.SalesOrderHeader) { &#160; order.SalesOrderDetail.Load(); &#160; if (order.OrderDate.Date ==
DateTime.Today.Date) &#160; { &#160;&#160;&#160; foreach (SalesOrderDetail item in order.SalesOrderDetail)
&#160;&#160;&#160; { Console.WriteLine(String.Format("Product: {0} ", item.ProductID)); &#160;&#160;&#160; }
&#160; } } D.&#160;&#160;&#160; Contact customer = (from contact in
context.Contact.Include("SalesOrderHeader.SalesOrderDetail") select contact).FirstOrDefault(); foreach (SalesOrderHeader order
in customer.SalesOrderHeader) { &#160; if (order.OrderDate.Date == DateTime.Today.Date) &#160; {
&#160;&#160;&#160; foreach (SalesOrderDetail item in order.SalesOrderDetail) &#160;&#160;&#160; {
Console.WriteLine(String.Format("Product: {0} ", item.ProductID)); &#160;&#160;&#160; } &#160; } } Answer: B
```

Explanation: A & C check the Order date after Order Detail, so we are retrieving more Order details than necessary. D is calling a Function (using eager loading) for the First Contact record only, so does not meet the requirements. QUESTION 185 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. The application contains the following code segment. (Line numbers are included for reference only.)

```
01 class DataAccessLayer 02 { 03&#160;&#160; private static
string connString; 04&#160;&#160; ... 05&#160;&#160; ... 06&#160;&#160; public static DataTable GetDataTable(string
command){ 07&#160;&#160; ... 08&#160;&#160; ... 09&#160;&#160; } 10 }
```

You need to define the connection life cycle of the DataAccessLayer class. You also need to ensure that the application uses the minimum number of connections to the database. What should you do? A.&#160;&#160;&#160; Insert the following code segment at line 04. private static SqlConnection conn = new SqlConnection(connString); public static void Open() { &#160;&#160; conn.Open(); } public static void Close() { &#160;&#160; conn.Close(); } B.&#160;&#160;&#160; Insert the following code segment at line 04. private SqlConnection conn = new SqlConnection(connString); public void Open() { &#160;&#160; conn.Open(); } public void Close() { &#160;&#160; conn.Close(); } C.&#160;&#160;&#160; Replace line 01 with the following code segment. class DataAccessLayer : IDisposable Insert the following code segment to line 04. private SqlConnection conn = new SqlConnection(connString); public void Open() { &#160;&#160; conn.Open(); } public void Dispose() { &#160;&#160; conn.Close(); } D.&#160;&#160;&#160; Insert the following code segment at line 07: using (SqlConnection conn = new SqlConnection(connString)) { &#160;&#160; conn.Open(); } Answer: D

Explanation: One thing you should always do is to make sure your connections are always opened within a using statement. Using statements will ensure that even if your application raises an exception while the connection is open, it will always be closed (returned to the pool) before your request is complete. This is very important, otherwise there could be connection leaks. QUESTION 186 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. The application connects to a Microsoft SQL Server 2008 database. The application contains two SqlCommand objects named cmd1 and cmd2. You need to measure the time required to execute each command. Which code segment should you use? A.&#160;&#160;&#160; Stopwatch w1 = new Stopwatch(); w1.Start(); cmd1.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); w1.Start(); cmd2.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); B.&#160;&#160;&#160; Stopwatch w1 = new Stopwatch(); w1.Start(); cmd1.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); w1.Reset(); cmd2.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); C.&#160;&#160;&#160; Stopwatch w1 = Stopwatch.StartNew(); cmd1.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); w1.Start(); cmd2.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); D.&#160;&#160;&#160; Stopwatch w1 = Stopwatch.StartNew(); cmd1.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); w1 = Stopwatch.StartNew(); cmd2.ExecuteNonQuery(); w1.Stop(); Trace.WriteLine(w1.ElapsedMilliseconds); Answer: D

Explanation: A & C do not reset the stopwatch before running cmd2. B does not start the stopwatch after resetting the stopwatch





target by using a lambda expression. You can retrieve many objects in one query by using LoadWith. DataLoadOptions.AssociateWith(LambdaExpression) Filters the objects retrieved for a particular relationship. Use the AssociateWith method to specify sub-queries to limit the amount of retrieved data. DataLoadOptions Class <http://msdn.microsoft.com/en-us/library/system.data.linq.dataloadoptions.aspx> How to: Retrieve Many Objects At Once (LINQ to SQL) [http://msdn.microsoft.com/en-us/library/Bb386917\(v=vs.90\).aspx](http://msdn.microsoft.com/en-us/library/Bb386917(v=vs.90).aspx) How to: Filter Related Data (LINQ to SQL) [http://msdn.microsoft.com/en-us/library/Bb882678\(v=vs.100\).aspx](http://msdn.microsoft.com/en-us/library/Bb882678(v=vs.100).aspx) QUESTION 190 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. The application connects to a Microsoft SQL Server 2008 database. You must retrieve a connection string. Which of the following is the correct connection string? A. string connectionString = ConfigurationSettings.AppSettings["connectionString"]; B. string connectionString = ConfigurationManager.AppSettings["connectionString"]; C. string connectionString = ApplicationManager.ConnectionStrings["connectionString"]; D. string connectionString = ConfigurationManager.ConnectionStrings["connectionString"].ConnectionString; Answer: D

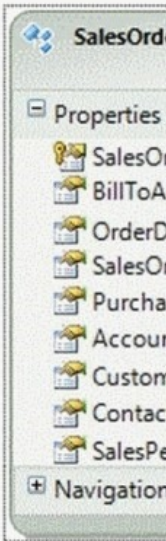


<http://www.passleader.com/70-516.html> QUESTION 191 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. The application connects to a Microsoft SQL Server 2008 database. SqlConnection conn = new SqlConnection(connectionString); conn.Open(); SqlTransaction tran = db.BeginTransaction(IsolationLevel. ...); ... You must retrieve not committed records originate from various transactions. Which method should you use? A. ReadUncommitted B. ReadCommitted C. RepeatableRead D. Serializable Answer: A QUESTION 192 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 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.EntityClient; provider connection string='DataSource=localhost; Initial Catalog=AdventureWorks;Integrated Security=True; multipleactivesuitsets=true'?providerName=?System.Data.SqlClient?/> B. <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.SqlClient; provider connection string='DataSource=localhost; Initial Catalog=AdventureWorks;Integrated Security=True; multipleactivesuitsets=true'?providerName=?System.Data.EntityClient?/> C. <add name=?AdventureWorksEntities? connectionString=?metadata=res://MyCompany.Datamodel.csdl;res://MyCompany.Data.model.ssdl;res://MyCompany.Data.model.msl; provider=System.Data.SqlClient; provider connection string='DataSource=localhost; Initial Catalog=AdventureWorks;Integrated Security=SSPI; multipleactivesuitsets=true'?providerName=?System.Data.EntityClient?/> D. <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.OleDbClient; provider connection string='Provider=sqloledb;DataSource=localhost; Initial

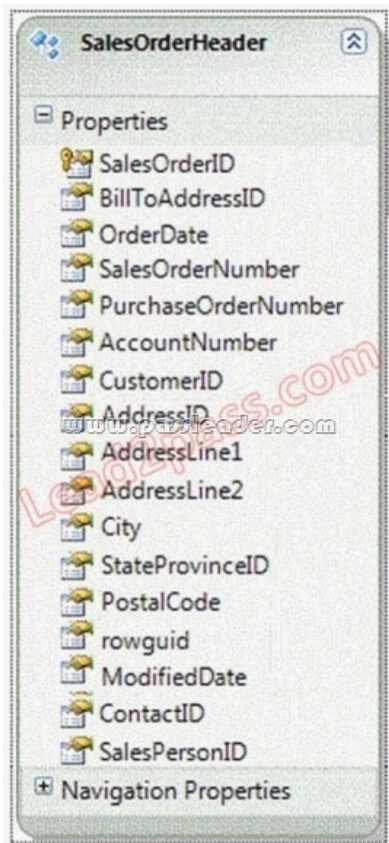
Catalog=AdventureWorks; Integrated Security=SSPI;multipleactivesuitsets=true'?providerName=?System.Data.EntityClient?/>

Answer: B Explanation: Answering this question pay attention to fact that Entity Framework is used, so settings provider="System.Data.SqlClient" and providerName="System.Data.EntityClient" should be set. Connection Strings

<http://msdn.microsoft.com/en-us/library/cc716756.aspx> QUESTION 193 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 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](  
&#160;&#160; [SalesOrderID] [int] IDENTITY(1,1) NOT NULL, &#160;&#160; [BillToAddressID] [int] NOT NULL,  
&#160;&#160; ? &#160;&#160; CONSTRAINT [PK\_SalesOrderHeader\_SalesOrderID] &#160;&#160; PRIMARY KEY CLUSTERED ([SalesOrderID] ASC) ) ALTER TABLE [Sales].[SalesOrderHeader] &#160;&#160; WITH CHECK ADD CONSTRAINT [FK\_SalesOrderHeader\_Address] &#160;&#160; FOREIGN KEY([BillToAddressID]) &#160;&#160; 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.&#160;&#160;&#160;



B.&#160;&#160;&#160;





error that occurs during data access. You also need to log the data provider that accesses the database. Which code segment should you insert at line 11? A. &#160;&#160;&#160; catch (OleDbException ex){ &#160;&#160; Trace.WriteLine("ExceptionType: " + ex.Source); &#160;&#160; Trace.WriteLine("Message: " + ex.Message); } B. &#160;&#160;&#160; catch (OleDbException ex){ &#160;&#160; Trace.WriteLine("ExceptionType: " + ex.InnerException.Source); &#160;&#160; Trace.WriteLine("Message: " + ex.InnerException.Message); } C. &#160;&#160;&#160; catch (DbException ex){ &#160;&#160; Trace.WriteLine("ExceptionType: " + ex.Source); &#160;&#160; Trace.WriteLine("Message: " + ex.Message); } D. &#160;&#160;&#160; catch (DbException ex){ &#160;&#160; Trace.WriteLine("ExceptionType: " + ex.InnerException.Source); &#160;&#160; Trace.WriteLine("Message: " + ex.InnerException.Message); } Answer: C

Explanation: Exception.InnerException Gets the Exception instance that caused the current exception. Message Gets a message that describes the current exception. Exception.Source Gets or sets the name of the application or the object that causes the error. OleDbException catches the exception that is thrown only when the underlying provider returns a warning or error for an OLE DB data source. DbException catches the common exception while accessing data base. QUESTION 195 You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 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. &#160;&#160;&#160; var model = new AdventureWorksEntities(); var sales = model.SalesOrderHeaders.Take(10).OrderByDescending(soh => soh.OrderDate); B. &#160;&#160;&#160; var model = new AdventureWorksEntities(); var sales = model.SalesOrderHeaders.OrderByDescending(soh => soh.OrderDate).Take(10); C. &#160;&#160;&#160; var model = new AdventureWorksEntities(); var sales = model.SalesOrderHeaders.OrderBy(soh => soh.OrderDate).Take(10); D. &#160;&#160;&#160; var model = new AdventureWorksEntities(); var sales = model.SalesOrderHeaders.Take(10).OrderBy(soh => soh.OrderDate); Answer: C Explanation: OrderBy() Sorts the elements of a sequence in ascending order according to a key. OrderByDescending() Sorts the elements of a sequence in descending order according to a key. Enumerable.OrderBy<TSource, TKey> Method (IEnumerable<TSource>, Func<TSource, TKey>)

<http://msdn.microsoft.com/en-us/library/bb534966.aspx> QUESTION 196 You use Microsoft .NET Framework 4.0 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 &#160;&#160; try 02 &#160;&#160; { 03 &#160;&#160;&#160;&#160;&#160;&#160;&#160; conn.Open(); 04 &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran = conn.BeginTransaction("Order"); 05 &#160;&#160;&#160;&#160;&#160;&#160;&#160; SqlCommand cmd = new SqlCommand(); 06 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.Connection = conn; 07 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.Transaction = tran; 08 &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Save("save1"); 09 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.CommandText = "INSERT INTO [Cust].dbo.Customer "&#160;&#160; + "(Name, PhoneNumber) VALUES ('Paul Jones', " + "'404-555-1212)"; 10 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.ExecuteNonQuery(); 11 &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Save("save2"); 12 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.CommandText = "INSERT INTO [Orders].dbo.Order " + "(CustomerID) VALUES (1234)"; 13 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.ExecuteNonQuery(); 14 &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Save("save3"); 15 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.CommandText = "INSERT INTO [Orders].dbo." + "OrderDetail (OrderID, ProductNumber) VALUES " + "(5678, 'DC-6721)"; 16 &#160;&#160;&#160;&#160;&#160;&#160;&#160; cmd.ExecuteNonQuery(); 17 &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Commit(); 18 &#160;&#160;&#160;&#160;&#160;&#160;&#160; } 19 &#160;&#160;&#160;&#160;&#160;&#160;&#160; catch (Exception ex) 20 &#160;&#160;&#160;&#160;&#160;&#160;&#160; { 21 &#160;&#160;&#160;&#160;&#160;&#160;&#160; ... 22 &#160;&#160;&#160;&#160;&#160;&#160;&#160; } 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. &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Rollback(); B. &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Rollback("save2"); tran.Commit(); C. &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Rollback(); tran.Commit(); D. &#160;&#160;&#160;&#160;&#160;&#160;&#160; tran.Rollback("save2"); Answer: B

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 197 You use Microsoft .NET Framework 4.0 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. &#160;&#160;&#160;&#160;&#160;&#160;&#160; XmlReaderSettings settings = new XmlReaderSettings(); settings.ValidationType =





```
category.CategoryID); var productUri = new Uri(strPrdUri, UriKind.Relative); ctx.Execute<Product>(productUri);  
D.&#160;&#160;&#160; Add the following code segment at line 08: var strprdUri= string.format("Products?$filter=CategoryID  
eq {0}", category.CategoryID); var prodcutUri = new Uri(strPrd, UriKind.Relative); ctx.Execute<Product>(productUri);  
Answer: A Explanation: LoadProperty(Object, String) Explicitly loads an object related to the supplied object by the specified  
navigation property and using the default merge option. UriKind Enumeration  
http://msdn.microsoft.com/en-us/library/system.urikind.aspx RelativeOrAbsolute The kind of the Uri is indeterminate. Absolute  
The Uri is an absolute Uri. Relative The Uri is a relative Uri.
```

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