70-516Q&As

TS: Accessing Data with Microsoft .NET Framework 4

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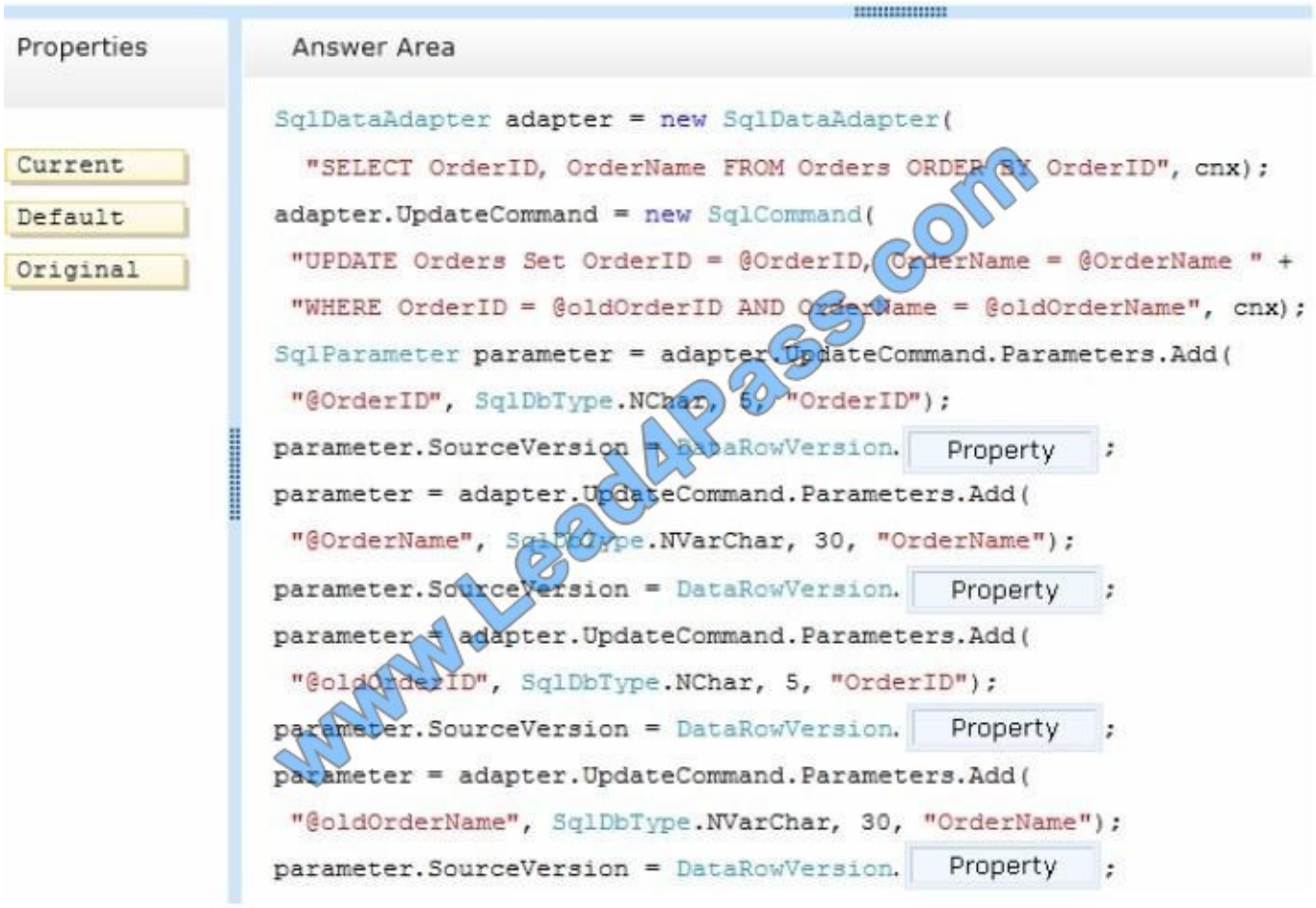
QUESTION 1

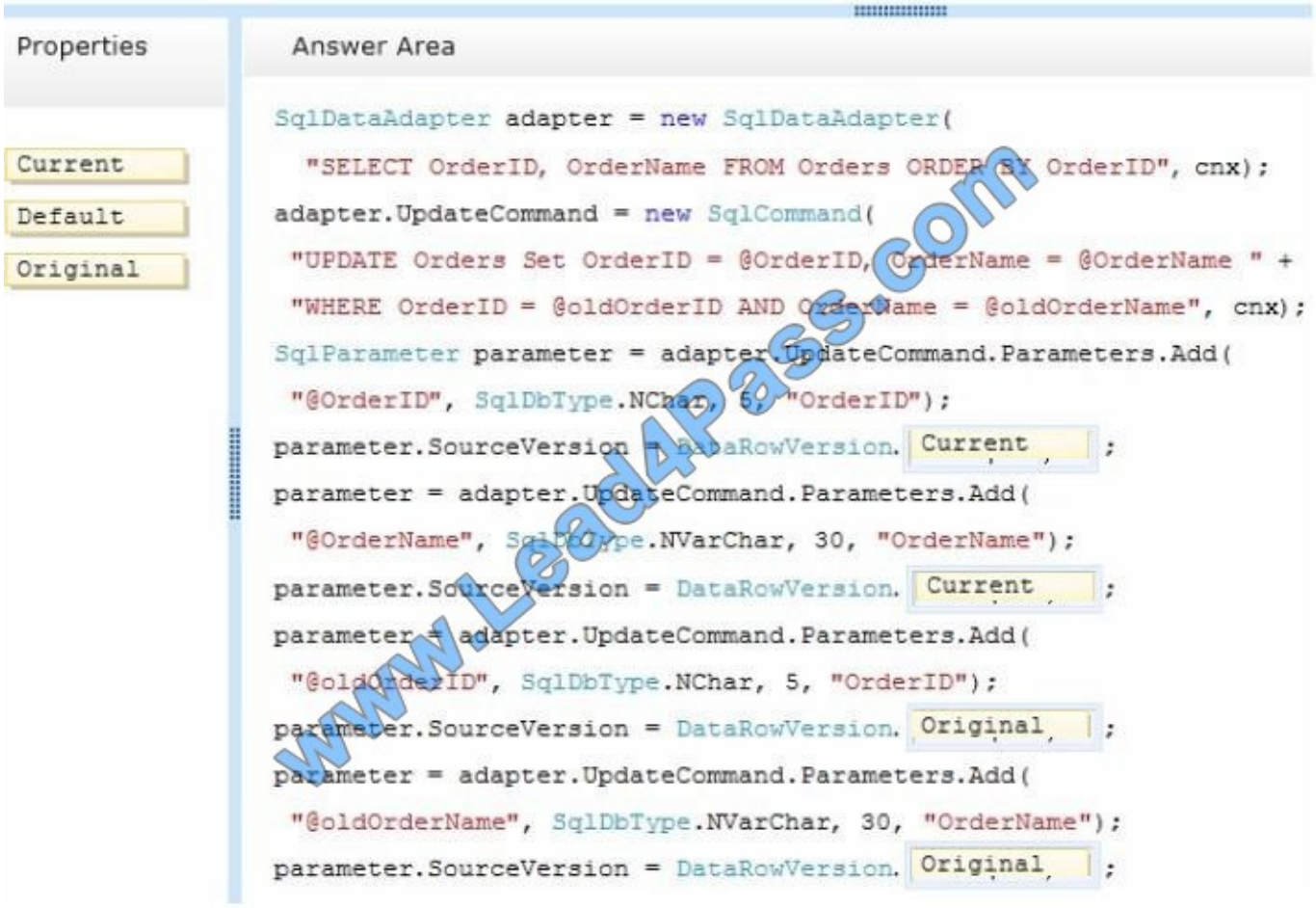
You are developing an application that updates entries in a Microsoft SQL Server table named Orders. You need to ensure that you can update the rows in the Orders table by using optimistic concurrency.

What code should you use? (To answer, drag the appropriate properties to the correct locations. Each property may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Select and Place:



Correct Answer:



QUESTION 2

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 (OrderID, 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

QUESTION 3

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 cryptograpny provider should you use?

A. DSACryptoServiceProvider

B. AESCryptoServiceProwier

C. MD5CryptoServiceProvider

D. SHA1 CryptoServceProvider

Correct Answer: B

AESCryptoServiceProvider Performs symmetric encryption and decryption using the Cryptographic Application Programming Interfaces (CAPI) implementation of the Advanced Encryption Standard (AES) algorithm. DSACryptoServiceProvider Defines a wrapper object to access the cryptographic service provider (CSP) implementation of the DSA algorithm. This class cannot be inherited. MD5CryptoServiceProvider Computes the MD5 hash value for the input data using the implementation provided by the cryptographic service provider (CSP). This class cannot be inherited. SHA1CryptoServiceProvider Computes the SHA1 hash value for the input data using the implementation provided by the cryptographic service provider (CSP). This class cannot be inherited.

DSACryptoServiceProvider (http://msdn.microsoft.com/en-us/library/system.security.cryptography.dsacryptoserviceprovider.aspx) AESCryptoServiceProvider (http://msdn.microsoft.com/en-us/library/system.security.cryptography.aescryptoserviceprovider.aspx) MD5CryptoServiceProvider (http://msdn.microsoft.com/enus/library/system.security.cryptography.md5cryptoserviceprovider.aspx) SHA1CryptoServiceProvider Class (http://msdn.microsoft.com/enus/library/system.security.cryptography.sha1cryptoserviceprovider.aspx)

QUESTION 4

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

Lazy loading is configured in the LINQ to SQL designer by selecting an entity and then, in the Properties window, setting the Delay Loaded property to true.The Delay Loaded property indicates that you want lazy loading of the column.

CHAPTER 4 LINQ to SQL

Lesson 1: What Is LINQ to SQL?

Eager Loading vs. Lazy Loading (page 254)

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 5

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: A

Requirements for Creating POCO Proxies (http://msdn.microsoft.com/en-us/library/dd468057.aspx)