



# 70-516<sup>Q&As</sup>

TS: Accessing Data with Microsoft .NET Framework 4

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## QUESTION 1

Which one of these samples it the correct way to close the connection using Command Behavior

- A. `SqlDataReader rdr = new SqlDataReader();string sql = @"sql statement";SqlConnection conn = connection.GetConnection();SqlCommand cmd = new SqlCommand(sql, conn);SqlDataReader rdr = cmd.ExecuteReader (CommandBehavior.CloseConnection);Console.WriteLine("{0}", rdr);`
- B. `SqlDataReader rdr = new SqlDataReader();string sql = @"sql statement";SqlConnection conn = connection.GetConnection();SqlCommand cmd = new SqlCommand(sql, conn);SqlDataReader rdr = cmd.ExecuteReader (CommandBehavior.CloseConnection);rdr.close();Console.WriteLine("{0}", rdr);`
- C. `SqlDataReader rdr = new SqlDataReader();string sql = @"sql statement";SqlConnection conn = connection.GetConnection();SqlCommand cmd = new SqlCommand(sql, conn);SqlDataReader rdr = cmd.ExecuteReader (CommandBehavior.CloseConnection);conn.close();Console.WriteLine("{0}", rdr);`
- D. `using (SqlDataReader rdr = new SqlDataReader()){string sql = @"sql statement";SqlConnection conn = connection.GetConnection();SqlCommand cmd = new SqlCommand(sql, conn);SqlDataReader rdr = cmd.ExecuteReader (CommandBehavior.CloseConnection);Console.WriteLine("{0}", rdr);}`

Correct Answer: B

An alternative to explicitly closing the Connection is to pass `CommandBehavior.CloseConnection` to the `ExecuteReader` method to ensure that the associated connection is closed when the `DataReader` is closed. This is especially useful if you are returning a `DataReader` from a method and do not have control over the closing of the `DataReader` or associated connection. When you close the data reader and you use `CommandBehavior.CloseConnection` - the `SqlConnection` also closes <http://msdn.microsoft.com/en-us/library/ms971481.aspx>

## QUESTION 2

You use Microsoft .NET Framework 4 to develop an application.

The configuration file contains the following code segment.

You need to retrieve the connection string named `AdventureWorksLT` from the configuration file.

Which line of code should you use?

- A. `Dim connectionString = ConfigurationManager _ .ConnectionStrings("AdventureWorksLT").ConnectionString`
- B. `Dim connectionString = ConfigurationManager _ .ConnectionStrings("AdventureWorksLT").Name`
- C. `Dim connectionString = ConfigurationManager _ .AppSettings("AdventureWorksLT")`



D. Dim connectionString = ConfigurationSettings \_ .AppSettings("AdventureWorksLT")

Correct Answer: A

### QUESTION 3

You use Microsoft .NET Framework 4 to create a data access layer component.

The component accesses data from a Microsoft SQL Server database named DB1. The component contains a class named Class1 that represents data from a table in DB1 named Table1. The following is the definition of Class1:

```
[EdmEntityTypeAttribute (NamespaceName="EDMClass1", Name="Class1")]  
[Serializable () ]  
[DataContractAttribute (IsReference=true)]  
public partial class Class1 : EntityObject  
{  
    [DataMemberAttribute () ]  
    public global::System.Int32 ID{...}  
    [DataMemberAttribute () ]  
    public global::System.String Name{...}  
    [DataMemberAttribute () ]  
    public global::System.String Description{...}  
}
```

A database developer creates the following stored procedure to add entries to Table1:

```
CREATE PROC [DB].[uspAddTable1]  
    @id int,  
    @name nvarchar(200),  
    @desc nvarchar(max) AS  
BEGIN  
    SET NOCOUNT ON;  
    INSERT INTO [DB].[Table1] (idnumber, shortname, longname)  
        VALUES (@id, @name, @description);  
END;
```

You need to edit the Entity Data Model (EDM) for EDMClass1 to use the uspInsertTable1 stored procedure to add data to the database.

What should you do? (Develop the solution by selecting and ordering the required code snippets. You may not need all of the code snippets.)

Select and Place:



Answer Area

```
<ScalarProperty Name="ID" ParameterName="id" />  
<ScalarProperty Name="Name" ParameterName="name" />  
<ScalarProperty Name="Description" ParameterName="desc" />
```

```
</ModificationFunctionMapping>
```

```
<ScalarProperty Name="ID" ParameterName="idnumber" />  
<ScalarProperty Name="Name" ParameterName="shortname" />  
<ScalarProperty Name="Description" ParameterName="longname" />
```

```
</InsertFunction>
```

```
<ModificationFunctionMapping>
```

```
<InsertFunction FunctionName="EDMClass1.Class1.uspAddTable1" >
```

```
</UpdateFunction>
```

```
<UpdateFunction FunctionName="EDMClass1.Class1.uspAddTable1" >
```

Correct Answer:



|   | Answer Area   |
|---|---|
|   | <code>&lt;ModificationFunctionMapping&gt;</code>                                  |
|   | <code>&lt;InsertFunction FunctionName="EDMClass1.Class1.uspAddTable1" &gt;</code> |
|   | <code>&lt;ScalarProperty Name="ID" ParameterName="id" /&gt;</code>                |
| <code>&lt;ScalarProperty Name="ID" ParameterName="idnumber" /&gt;</code>          | <code>&lt;ScalarProperty Name="Name" ParameterName="name" /&gt;</code>            |
| <code>&lt;ScalarProperty Name="Name" ParameterName="shortname" /&gt;</code>       | <code>&lt;ScalarProperty Name="Description" ParameterName="desc" /&gt;</code>     |
| <code>&lt;ScalarProperty Name="Description" ParameterName="longname" /&gt;</code> | <code>&lt;/InsertFunction&gt;</code>  |
|   | <code>&lt;/ModificationFunctionMapping&gt;</code>                                 |
|   |   |
|   |   |
| <code>&lt;/UpdateFunction&gt;</code>  |   |
| <code>&lt;UpdateFunction FunctionName="EDMClass1.Class1.uspAddTable1" &gt;</code> |   |

Explanation:

Note:

\* The ModificationFunctionMapping element in mapping specification language (MSL) maps the insert, update, and delete functions of a conceptual model entity type to stored procedures in the underlying database. The

ModificationFunctionMapping element can also map the insert and delete functions for many-to-many associations in the conceptual model to stored procedures in the underlying database.

\* Example:



#### QUESTION 4

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4.0 to create an application. The application uses the ADO.NET Entity Framework to manage Plain Old CLR Objects (POCO) entities.

You create a new POCO class. You need to ensure that the class meets the following requirements:

It can be used by anObjectContext.

It is enabled for change-tracking proxies.

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

- A. Modify each mapped property to contain sealed and protected accessors.
- B. Modify each mapped property to contain non-sealed, public, and virtual accessors.
- C. Configure the navigation property to return a type that implements the ICollection interface.
- D. Configure the navigation property to return a type that implements the IQueryable interface.
- E. Configure the navigation property to return a type that implements the IEntityWithRelationships interface.

Correct Answer: BC

CHAPTER 6 ADO.NET Entity Framework

Lesson 1: What Is the ADO.NET Entity Framework?

Other POCO Considerations (page 412)

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#### QUESTION 5



You use Microsoft .NET Framework 4 to develop an application that uses WCF Data Services to retrieve entities.

WCF Data Services 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"
```

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

```
01 Public Class Program
```

```
03 Public Sub GetProducts()
```

```
05 Dim proxy = New MyDataServiceContext()
```

```
08 End Sub
```

```
10 End Class
```

You need to ensure that the correct authentication header is present when requests are made by using MyDataServiceContext.

What should you do?

A. Insert the following code segment at line 06. proxy.Credentials = New NetworkCredential( \_ "WRAP access\_token", "123456789")

B. Insert the following code segment at line 06. proxy.Credentials = New NetworkCredential( \_ "Authorization", "WRAP access\_token=""123456789"")

C. Insert the following code segment at line 06. AddHandler proxy.SendingRequest, New \_ EventHandler(Of SendingRequestEventArgs)( \_ AddressOf proxy\_SendingRequest) Insert the following code segment at line 09. Sub proxy\_SendingRequest(ByVal sender As Object, ByVal e As SendingRequestEventArgs)

```
D. RequestHeaders.Add("WRAP access_token", "123456789") End Sub
```

E. Insert the following code segment at line 06. AddHandler proxy.SendingRequest, New EventHandler( Of SendingRequestEventArgs)( \_ AddressOf proxy\_SendingRequest) Insert the following code segment at line 09. Sub proxy\_SendingRequest(ByVal sender As Object, ByVal e As SendingRequestEventArgs)

```
F. RequestHeaders.Add("Authorization", "WRAP access_token=""123456789"") End Sub
```

Correct Answer: D



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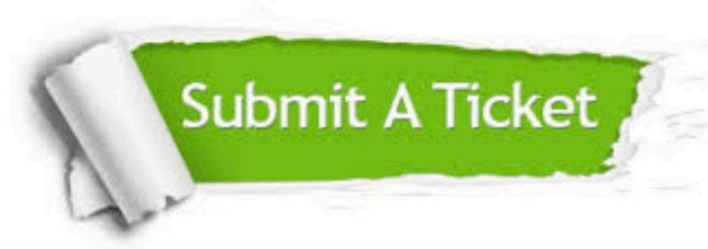
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