70-483 Q&As

Programming in C#

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QUESTION 1

DRAG DROP

You have the following class. (Line numbers are included for reference only.)

```
01 public class MyClass
02 {
03   public int AddNumb(int numb1, int numb2)
04   {
05    int result = numb1 + numb2;
06    return result;
07   }
08   public int SubNumb(int numb1, int numb2)
09   {
10    int result = numb1 - numb2;
11    return result;
12   }
13   public string doOperation(
   string operationName, int numb1, int numb2)
14   {
15    object[] mParam = new object[] { numb1, numb2 };
16
17   }
18 }
```


You need to complete the doOperation method to meet the following requirements:

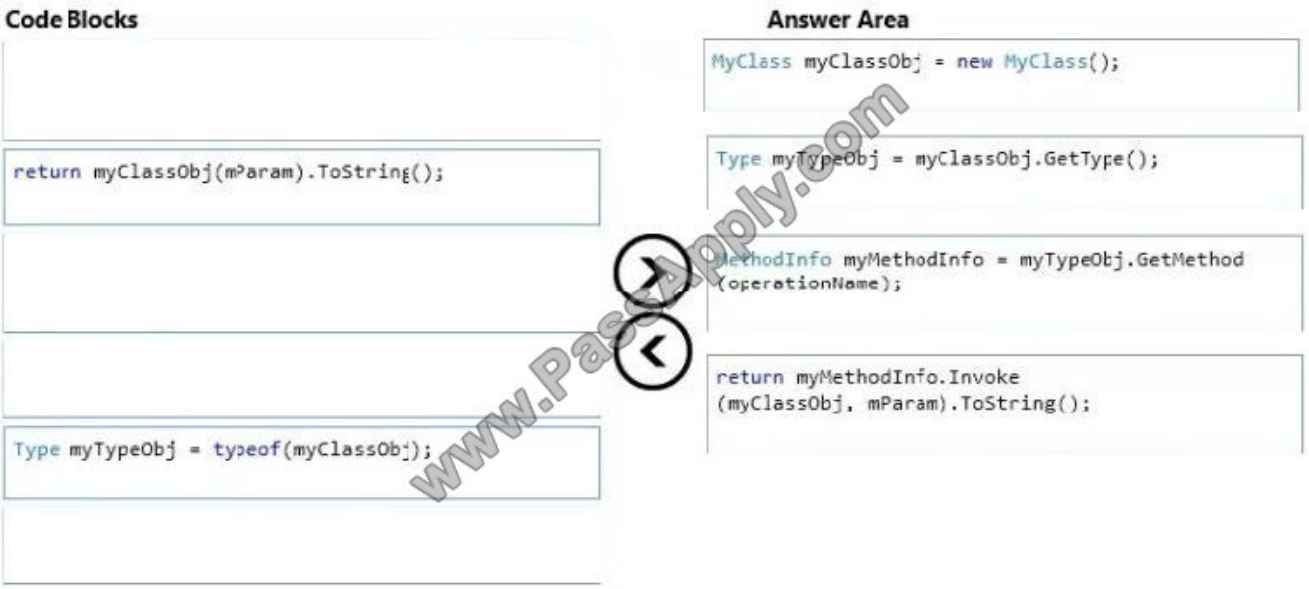
If AddNumb is passed as the operationName parameter, the AddNumb function is called.

If SubNumb is passed as the operationName parameter, the SubNumb function is called.

Which code should you insert at line 16? Develop the solution by selecting and arranging the required code blocks in the correct order. You may not need all of the code blocks.

Select and Place:

Correct Answer:



QUESTION 2

You are developing an application that includes the following code segment. (Line numbers are included for reference only.)

```
01 class Customer
02 {
03   public string CompanyName { get; set; }
04   public string Id { get; set; }
05 }
06 const string sqlSelectCustomers = "SELECT CustomerID, CompanyName FROM Customers";
07 private static IEnumerable<Customer> GetCustomers(string sqlConnectionString)
08 {
09   List<Customer> customers = new List<Customer>();
10   SqlConnection sqlConnection = new SqlConnection(sqlConnectionString);
11   using (sqlConnection)
12   {
13     SqlCommand sqlCommand = new SqlCommand(sqlSelectCustomers, sqlConnection);
14
15     using (SqlDataReader sqlDataReader = sqlCommand.ExecuteReader())
16     {
17
18       {
19         Customer customer = new Customer();
20         customer.Id = (string)sqlDataReader["CustomerID"];
21         customer.CompanyName = (string)sqlDataReader["CompanyName"];
22         customers.Add(customer);
23       }
24     }
25   }
26   return customers;
27 }
```


The GetCustomers() method must meet the following requirements:

Connect to a Microsoft SQL Server database.

Populate Customer objects with data from the database. Return an IEnumerable collection that contains the populated Customer objects.

You need to meet the requirements.

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

A. Insert the following code segment at line 17: while (sqlDataReader.GetValues())

B. Insert the following code segment at line 14: sqlConnection.Open();

C. Insert the following code segment at line 14: sqlConnection.BeginTransaction();

D. Insert the following code segment at line 17: while (sqlDataReader.Read())

E. Insert the following code segment at line 17: while (sqlDataReader.NextResult())

Correct Answer: BD

B: SqlConnection.Open - Opens a database connection with the property settings specified by the ConnectionString.
Reference: http://msdn.microsoft.com/enus/library/system.data.sqlclient.sqlconnection.open.aspx

D: SqlDataReader.Read - Advances the SqlDataReader to the next record.

Reference: http://msdn.microsoft.com/enus/library/system.data.sqlclient.sqldatareader.read.aspx Not E: reader.NextResult is wrong because that is used when reader has more than one result set (SP or inline SQL has more

than one Select).

QUESTION 3

DRAG DROP

You have the following code:

```
public static void DeserializeJsonData(MemoryStream stream1)
{
DataContractJsonSerializer serializer =
new DataContractJsonSerializer(Target 1(Target 2));
CompanyInfo cn = (CompanyInfo)Target 3.ReadObject(stream1);
```

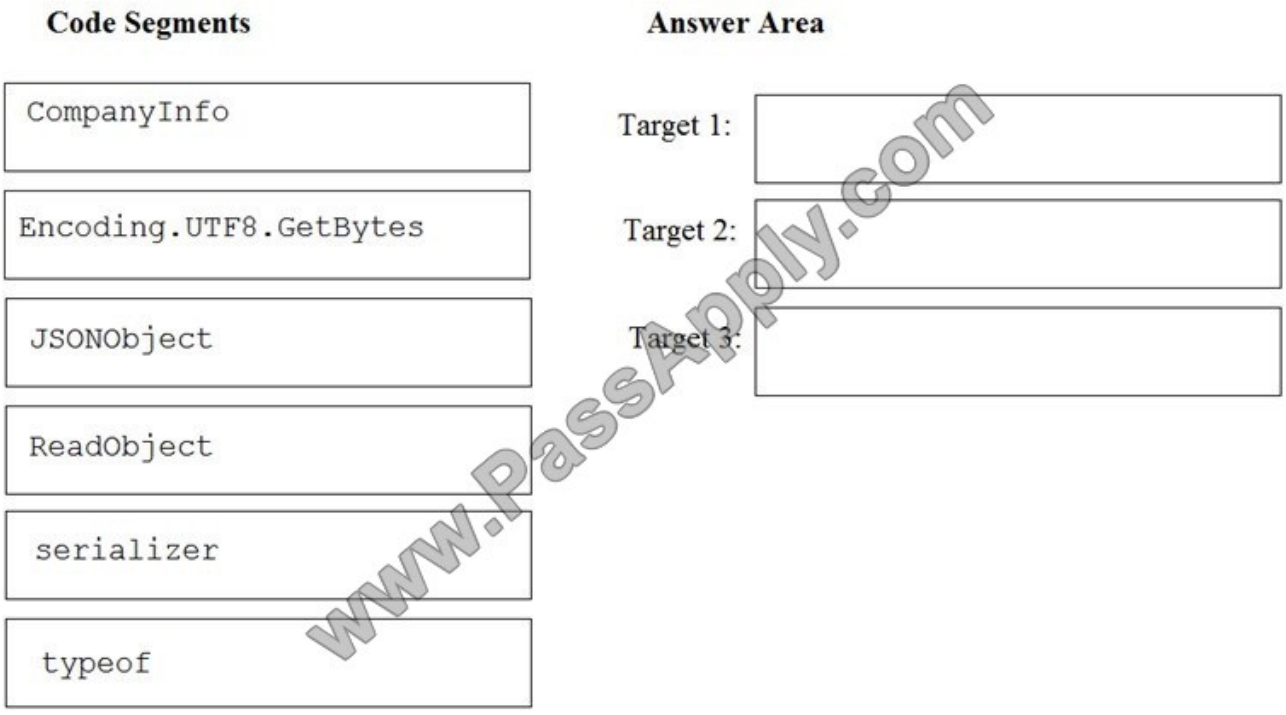

You need to deserialize the stream1 parameter into the CompanyInfo class.

How should you c

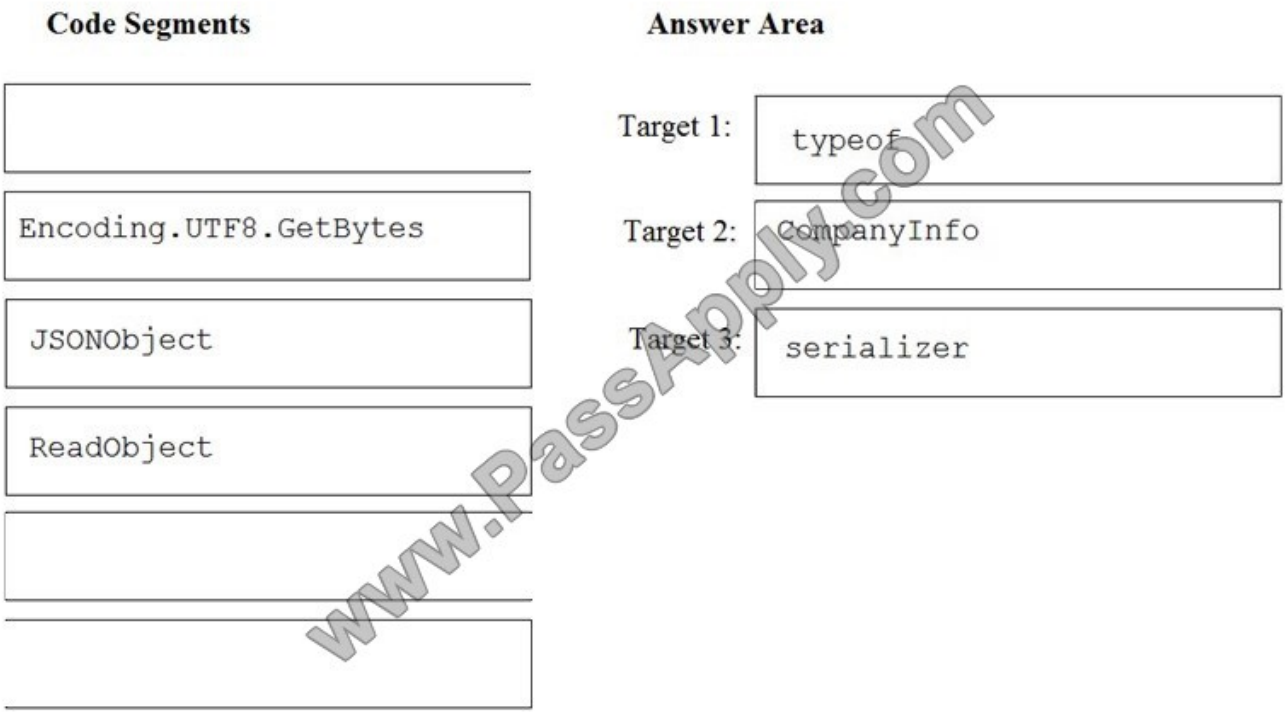
omplete the code? To answer, drag the appropriate code elements to the correct targets. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



References: https://docs.microsoft.com/en-us/dotnet/framework/wcf/feature-details/how-to-serialize-and-deserialize-json-data

QUESTION 4

You are developing an application that includes a class named BookTracker for tracking library books. The application includes the following code segment. (Line numbers are included for reference only.)

```
01 public delegate void AddBookCallback(int i);
02 public class BookTracker
03 {
04   List<Book> books = new List<Book>();
05   public void AddBook(string name, AddBookCallback callback)
06   {
07     books.Add(new Book(name));
08     callback(books.Count);
09   }
10 }
11
12 public class Book
13 {
14
15   BookTracker tracker = new BookTracker();
16   public void Add(string name)
17   {
18
19   }
20 }
```


You need to add a book to the BookTracker instance. What should you do?

A. Insert the following code segment at line 18:

```
tracker.AddBook(name, delegate(int i)
  {
    ...
  });
```

B. Insert the following code segment at line 11:

```
delegatevoidAddBookDelegate(stringname, AddBookCallback callback);
```

Insert the following code segment at line 18:

```
AddBookDelegateadder = (i, callback) =>
  {
    ...
  };
```

C. Insert the following code segment at line 11:

```
delegatevoidAddBookDelegate(BookTracker bookTracker);
```

Insert the following code segment at line 18:

```
AddBookDelegateaddDelegate = (bookTracker) =>
  {
    ...
  };
addDelegate(tracker);
```

D. Insert the following code segment at line 14:

```
private static void PrintBookCount(int i)
{
  ...
}
```

Insert the following code segment at line 18:

```
AddBookCallback callback = PrintBookCount;
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 5

You are developing code for a class named Account. The Account class includes the following method:

```
public void Deposit(int dollars, int cents)
{
  int totalCents = cents + this.cents;
  int extraDollars = totalCents / 100;
  this.cents = totalCents - 100 * extraCents;
  this.dollars += dollars + extraDollars;
}
```

You need to ensure that overflow exceptions are thrown when there is an error. Which type of block should you use?

A. checked

B. try

C. using

D. unchecked

Correct Answer: A

Explanation: C# statements can execute in either checked or unchecked context. In a checked context, arithmetic overflow raises an exception. In an unchecked context, arithmetic overflow is ignored and the result is truncated.

checked Specify checked context.

unchecked Specify unchecked context.

Reference: Checked and Unchecked (C# Reference) https://msdn.microsoft.com/en-us/library/khy08726.aspx