Vendor: Microsoft

Exam Code: 70-483

Exam Name: Microsoft Programming in C#

Version: DEMO

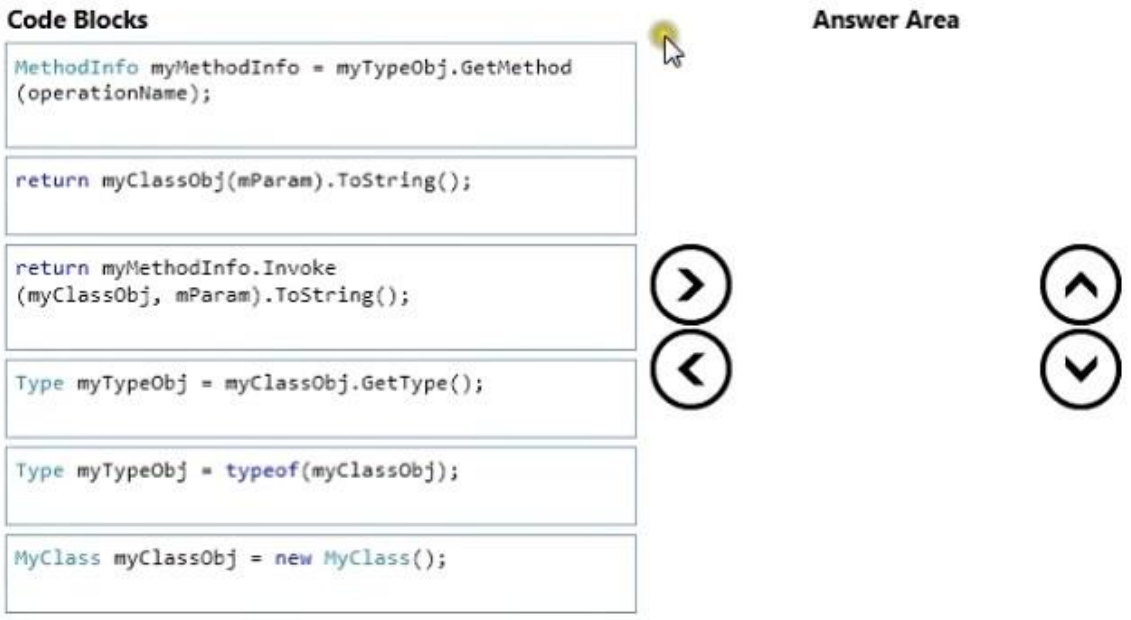
QUESTION 1
Drag and Drop Question
You have the following class. (Line numbers are included for reference only.)

```
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 }
```

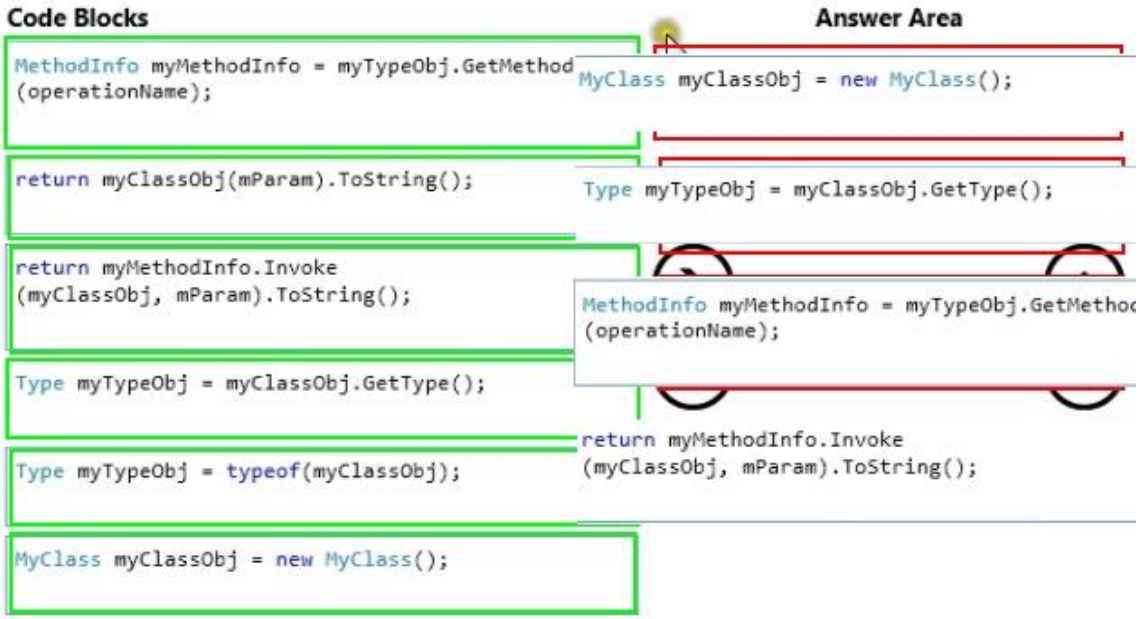
You need to complete the doOperation method to meet the following requirements:

- 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.



Answer:



QUESTION 2
You need to write a method that retrieves data from a Microsoft Access 2013 database. The method must meet the following requirements:

- Be read-only.
- Be able to use the data before the entire data set is retrieved.
- Minimize the amount of system overhead and the amount of memory usage.

Which type of object should you use in the method?

A. SqlDataAdapter
B. DataContext
C. DbDataAdapter
D. OleDbDataReader

Answer: D
Explanation:
OleDbDataReader Class
Provides a way of reading a forward-only stream of data rows from a data source.
Example:
OleDbConnection cn = new OleDbConnection();
OleDbCommand cmd = new OleDbCommand();
DataTable schemaTable;
OleDbDataReader myReader;
//Open a connection to the SQL Server Northwind database. cn.ConnectionString = "Provider=SQLOLEDB;Data Source=server;User ID=login; Password=password;Initial Catalog=Northwind";

QUESTION 3
You are creating an application that reads from a database.
You need to use different databases during the development phase and the testing phase by using conditional compilation techniques.
What should you do?

A. Configure the Define TRACE constant setting in Microsoft Visual Studio.
B. Specify the /define compiler option.
C. Run the Assembly Linker tool from the Windows Software Development Kit (Windows SDK).
D. Decorate the code by using the [assembly:AssemblyDelaySignAttribute(true)] attribute.

Answer: B
Explanation:
You can specify the compiler settings for your application in several ways:
* The property pages
* The command line
* #CONST (for Visual Basic) and #define (for C#)

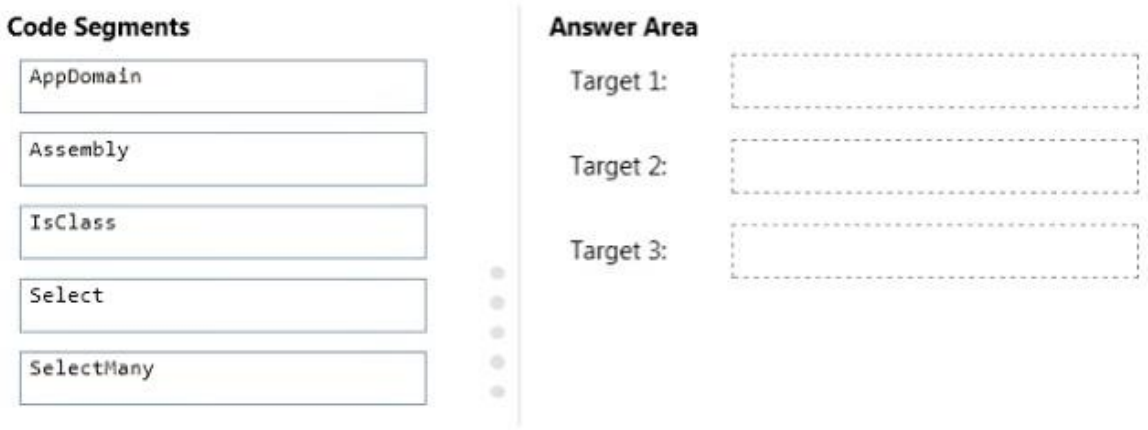
Note: You can have either the Trace or Debug conditional attribute turned on for a build, or both, or neither. Thus, there are four types of build: Debug, Trace, both, or neither. Some release builds for production deployment might contain neither; most debugging builds contain both.
https://msdn.microsoft.com/en-us/library/64yxa344(v=vs.110).aspx

QUESTION 4
Drag and Drop Question
You write the following code.

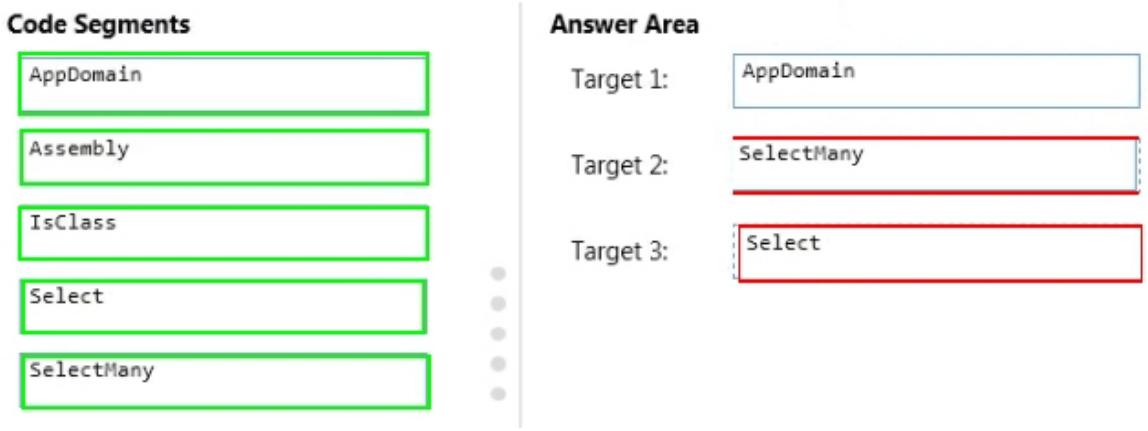
```
List<Type> types = (Target 1.CurrentDomain.GetAssemblies()
  .Target 2(t => t.GetTypes())
  .Where(t => t.IsClass && t.Assembly == this.GetType().Target 3)).ToList<Type>();
```

You need to get the list of all the types defined in the assembly that is being executed currently.

How should you complete the code? To answer, drag the appropriate code elements to the correct targets in the answer area. 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.



Answer:



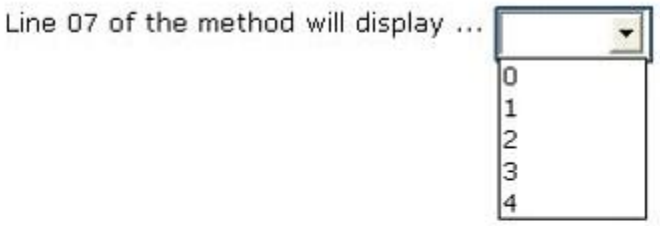
QUESTION 193
Hotspot Question
You define a class by using the following code:

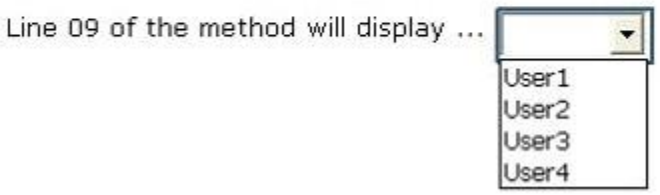
```
public class Class1 : IComparable<Class1>
{
  public Int32 ID { get; set; }
  public String Name { get; set; }
  public int CompareTo(Class1 other)
  {
    if(ID == other.ID) return 0;
    else return ID.CompareTo(other.ID);
  }
}
```

You write the following code for a method (line numbers are included for reference only):

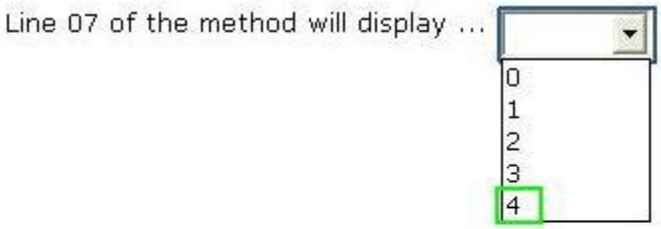
```
01 List<Class1> list = new List<Class1>() {
02   new Class1() { ID = 5, Name = "User1" },
03   new Class1() { ID = 6, Name = "User2" },
04   new Class1() { ID = 3, Name = "User3" },
05   new Class1() { ID = 4, Name = "User4" }
06 };
07 Console.WriteLine(list.Count);
08 list.Sort();
09 Console.WriteLine(list[0].Name);
```

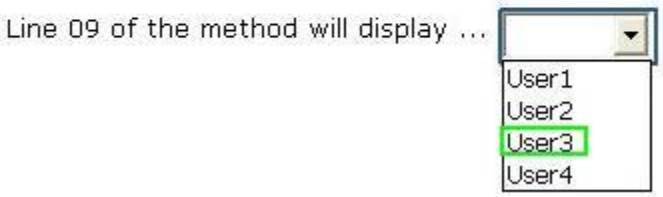
To answer, complete each statement according to the information presented in the code.





Answer:





QUESTION 5
You are developing an application that contains a class named TheaterCustomer and a method named ProcessTheaterCustomer. The ProcessTheaterCustomer() method accepts a

TheaterCustomer object as the input parameter.
You have the following requirements:

```
- Store the TheaterCustomer objects in a collection.
- Ensure that the ProcessTheaterCustomer() method processes the
TheaterCustomer objects in the order in which they are placed into the
collection.
```

You need to meet the requirements.
What should you do?

A. Create a System.Collections.Stack collection.
   Use the Push() method to add TheaterCustomer objects to the collection.
   Use the Peek() method to pass the objects to the ProcessTheaterCustomer() method.
B. Create a System.Collections.Queue collection.
   Use the Enqueue() method to add TheaterCustomer objects to the collection.
   Use the Dequeue() method to pass the objects to the ProcessTheaterCustomer() method.
C. Create a System.Collections.SortedList collection.
   Use the Add() method to add TheaterCustomer objects to the collection.
   Use the Remove() method to pass the objects to the ProcessTheaterCustomer() method.
D. Create a System.Collections.ArrayList collection.
   Use the Insert() method to add TheaterCustomer objects to the collection.
   Use the Remove() method to pass the objects to the ProcessTheaterCustomer() method.

Answer: B

QUESTION 6
You need to write a method that retrieves data from a Microsoft Access 2013 database. The method must meet the following requirements:

```
- Be read-only.
- Be able to use the data before the entire data set is retrieved.
```

Minimize the amount of system overhead and the amount of memory usage.
Which type of object should you use in the method?

A. DbDataReader
B. DataContext
C. unTyped DataSet
D. DbDataAdapter

Answer: C
Explanation:
DbDataReader Class
Reads a forward-only stream of rows from a data source.

QUESTION 7
You are developing an application. The application includes a method named ReadFile that reads data from a file. The ReadFile() method must meet the following requirements:

```
* It must not make changes to the data file.
* It must allow other processes to access the data file.
* It must not throw an exception if the application attempts to open a
```

data file that does not exist.

You need to implement the ReadFileQ method. Which code segment should you use?

A.
```
var fs = File.Open(Filename, FileMode.OpenOrCreate, FileAccess.Read, FileShare.ReadWrite);
```

B.
```
var fs = File.Open(Filename, FileMode.Open, FileAccess.Read, FileShare.ReadWrite);
```

C.
```
var fs = File.Open(Filename, FileMode.OpenOrCreate, FileAccess.Read, FileShare.Write);
```

D.
```
var fs = File.ReadAllLines(Filename);
```

E.
```
var fs = File.ReadAllBytes(Filename);
```

A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: A

QUESTION 8
An application receives JSON data in the following format:

```
{ "FirstName" : "David",
  "LastName" : "Jones",
  "Values" : [0, 1, 2] }
```

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

```
01 public class Name
02 {
03   public int[] Values { get; set; }
04   public string FirstName { get; set; }
05   public string LastName { get; set; }
06 }
07 public static Name ConvertToName(string json)
08 {
09   var ser = new JavaScriptSerializer();
10
11 }
```

You need to ensure that the ConvertToName() method returns the JSON input string as a Name object. Which code segment should you insert at line 10?

A. Return ser.ConvertToType<Name>(json);
B. Return ser.DeserializeObject(json);

C. Return ser.Deserialize<Name> (json) ;
D. Return (Name)ser.Serialize(json);

Answer: C

QUESTION 9
You are developing an application. The application converts a Location object to a string by using a method named WriteObject. The WriteObject() method accepts two parameters, a Location object and an XmlObjectSerializer object. The application includes the following code. (Line numbers are included for reference only.)

```
01 public enum Compass
02 {
03   North,
04   South,
05   East,
06   West
07 }
08 [DataContract]
09 public class Location
10 {
11   [DataMember]
12   public string Label { get; set; }
13   [DataMember]
14   public Compass Direction { get; set; }
15 }
16 void DoWork()
17 {
18   var location = new Location { Label = "Test", Direction = Compass.West };
19   Console.WriteLine(WriteObject(location,
20
21   ));
22 }
```

You need to serialize the Location object as a JSON object. Which code segment should you insert at line 20?

A. New DataContractSerializer(typeof(Location))
B. New XmlSerializer(typeof(Location))
C. New NetBataContractSenalizer {}
D. New CataConcractJsonSerializer(typeof(Location))

Answer: D

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