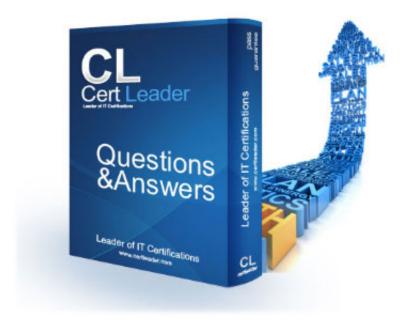# 70-483 - Programming in C#

http://www.certleader.com/70-483-dumps.html

NEW QUESTION 1

DRAG DROP - (Topic 1)

You develop an application that displays information from log files when errors occur. The application will prompt the user to create an error report that sends details about the error and the session to the administrator.

When a user opens a log file by using the application, the application throws an exception and closes.

The application must preserve the original stack trace information when an exception occurs during this process.

You need to implement the method that reads the log files.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 2

- (Topic 1)

You are testing an application. The application includes methods named CalculateInterest and LogLine. The CalculateInterest() method calculates loan interest. The LogLine() method sends diagnostic messages to a console window.

The following code implements the methods. (Line numbers are included for reference only.)

You have the following requirements:

. The CalculateInterest() method must run for all build configurations. . The LogLine() method must run only for debug builds.

You need to ensure that the methods run correctly.

What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Insert the following code segment at line 01:

#region DEBUG

Insert the following code segment at line 10:

#endregion

B. Insert the following code segment at line 10:

[Conditional(MDEBUG")]

C. Insert the following code segment at line 05:

#region DEBUG

Insert the following code segment at line 07:

#endregion

D. Insert the following code segment at line 01:

#if DE30G

Insert the following code segment at line 10:

#endif

E. Insert the following code segment at line 01:

[Conditional(MDEBUG")]

F. Insert the following code segment at line 05:

#if DEBUG

Insert the following code segment at line 07:

#endif

G. Insert the following code segment at line 10: [Conditional("RELEASE")]

Answer: B,F

Explanation:

#if DEBUG: The code in here won't even reach the IL on release. [Conditional("DEBUG")]: This code will reach the IL, however the calls to the method will not execute unless DEBUG is on.
http://stackoverflow.com/questions/3788605/if-debug-vs-conditionaldebug

NEW QUESTION 3

 - (Topic 1)

You are developing an application that includes a class named Order. The application will store a collection of Order objects.

The collection must meet the following requirements:

Internally store a key and a value for each collection item. Provide objects to iterators in ascending order based on the key. Ensure that item are accessible by zero-based index or by key.

You need to use a collection type that meets the requirements.

Which collection type should you use?

A. LinkedList

B. Queue

C. Array

D. HashTable

E. SortedList

Answer: E

Explanation:

SortedList<TKey, TValue> - Represents a collection of key/value pairs that are sorted by key based on the associated IComparer<T> implementation. http://msdn.microsoft.com/en-us/library/ms132319.aspx

NEW QUESTION 4

 - (Topic 1)

You are creating a console application named App1.

App1 retrieves data from the Internet by using JavaScript Object Notation (JSON).

You are developing the following code segment (line numbers are included for reference only):

You need to ensure that the code validates the JSON string.

Which code should you insert at line 03?

A. DataContractSerializer serializer = new DataContractSerializer();

B. var serializer = new DataContractSerializer();

C. XmlSerlalizer serializer = new XmlSerlalizer();

D. var serializer = new JavaScriptSerializer();

Answer: D

Explanation: The JavaScriptSerializer Class Provides serialization and deserialization functionality for AJAX-enabled applications.

The JavaScriptSerializer class is used internally by the asynchronous communication layer to serialize and deserialize the data that is passed between the browser and the Web server. You cannot access that instance of the serializer. However, this class exposes a public API. Therefore, you can use the class when

you want to work with JavaScript Object Notation (JSON) in managed code.

NEW QUESTION 5

DRAG DROP - (Topic 1)

You are developing a custom collection named LoanCollection for a class named Loan class.

You need to ensure that you can process each Loan object in the LoanCollection collection by using a foreach loop.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 6

HOTSPOT - (Topic 1)

You have the following code:

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer:

NEW QUESTION 7

DRAG DROP - (Topic 1)

You have the following class:

You need to implement IEquatable. The Equals method must return true if both ID and Name are set to the identical values. Otherwise, the method must return false. Equals must not throw an exception.

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

Answer:

NEW QUESTION 8

- (Topic 2)

You are developing an application that includes methods named ConvertAmount and TransferFunds.

You need to ensure that the precision and range of the value in the amount variable is not lost when the

TransferFunds() method is called.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation: The double keyword signifies a simple type that stores 64-bit floating-point values.

The float keyword signifies a simple type that stores 32-bit floating-point values.

Reference: double (C# Reference)

NEW QUESTION 9

 - (Topic 2)

You are debugging a 64-bit C# application.

Users report System.OutOfMemoryException exceptions. The system is attempting to use arrays larger than 2 GB in size.

You need to ensure that the application can use arrays larger than 2 GB.

What should you do?

A. Add the /3GB switch to the boot.ini file for the operating system.

B. Set the IMAGE_FILE_LARGE_ADDRESS_AWARE flag in the image header for the application executable file.

C. Set the value of the gcAllowVeryLargeObjects property to true in the application configuration file.

D. Set the value of the user-mode virtual address space setting for the operating system to MAX.

Answer: C

NEW QUESTION 10

 - (Topic 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";

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NEW QUESTION 11

 - (Topic 2)

You are developing an application.

The application contains the following code segment (line numbers are included for reference only):

When you run the code, you receive the following error message: "Cannot implicitly convert type 'object'' to 'inf. An explicit conversion exists (are you missing a cast?)."

You need to ensure that the code can be compiled.

Which code should you use to replace line 05?

A. var2 = ((List<int>) array1) [0];

B. var2 = array1[0].Equals(typeof(int));

C. var2 = Convert.ToInt32(array1[0]);

D. var2 = ((int[])array1)[0];

Answer: A

Explanation: Make a list of integers of the array with = ((List<int>)arrayl) then select the first item in the list with [0].

NEW QUESTION 12

 - (Topic 2)

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

You need to ensure that the DoWork(Widget widget) method runs.

With which code segment should you replace line 24?

A. DoWork((Widget)o);

B. DoWork(new Widget(o));

C. DoWork(o is Widget);

D. DoWork((ItemBase)o);

Answer: A

NEW QUESTION 13

 - (Topic 1)

You are developing an application. The application includes classes named Mammal and Animal and an interface named IAnimal.

The Mammal class must meet the following requirements: . It must either inherit from the Animal class or implement the IAnimal interface. . It must be inheritable by other classes in the application. You need to

ensure that the Mammal class meets the requirements.

Which two code segments can you use to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A,C

Explanation:

When applied to a class, the sealed modifier prevents other classes from inheriting from it.
http://msdn.microsoft.com/en-us/library/88c54tsw(v=vs.110).aspx

NEW QUESTION 14

 - (Topic 2)

You are developing an application that will process personnel records.

The application must encrypt highly sensitive data.

You need to ensure that the application uses the strongest available encryption.

Which class should you use?

A. System.Security.Cryptography.DES

B. System.Security.Cryptography.Aes

C. System.Security.Cryptography.TripleDES

D. System.Security.Cryptography.RC2

Answer: B

NEW QUESTION 15

 - (Topic 1)

You have the following code (line numbers are included for reference only):

You need to identify the missing line of code at line 15. Which line of code should you identify?

A. using (fooSqlConn.BeginTransaction())

B. while (fooSqlReader.Read())

C. while (fooSqlReader.NextResult())

D. while (fooSqlReader.GetBoolean(0))

Answer: B

NEW QUESTION 16

 - (Topic 2)

You are creating a class library that will be used in a web application.

You need to ensure that the class library assembly is strongly named.

What should you do?

A. Use the csc.exe /target:Library option when building the application.

B. Use the AL.exe command-line tool.

C. Use the aspnet_regiis.exe command-line tool.

D. Use the EdmGen.exe command-line tool.

Answer: B

Explanation: The Windows Software Development Kit (SDK) provides several ways to sign an assembly with a strong name:

* Using the Assembly Linker (Al.exe) provided by the Windows SDK.

* Using assembly attributes to insert the strong name information in your code. You can use either the AssemblyKeyFileAttribute or the AssemblyKeyNameAttribute, depending on where the key file to be used is located.

* Using compiler options such /keyfile or /delaysign in C# and Visual Basic, or the

/KEYFILE or /DELAYSIGN linker option in C++. (For information on delay signing, see

Delay Signing an Assembly.)

Note:

* A strong name consists of the assembly's identity—it's simple text name, version number, and culture information (if provided)—plus a public key and a digital signature. It is generated from an assembly file (the file that contains the assembly manifest, which in turn contains the names and hashes of all the files that make up the assembly), using the corresponding private key. Microsoft. Visual Studio. .NET and other

development tools provided in the .NET Framework SDK can assign strong names to an assembly.

Assemblies with the same strong name are expected to be identical.

NEW QUESTION 17

 - (Topic 2)

An application is throwing unhandled NullReferenceException and FormatException errors. The stack trace shows that the exceptions occur in the GetWebResult() method.

The application includes the following code to parse XML data retrieved from a web service. (Line numbers are included for reference only.)

You need to handle the exceptions without interfering with the existing error-handling infrastructure.

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

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A,C

Explanation: A: The TryParse method is like the Parse method, except the TryParse method does not throw an exception if the conversion fails. It eliminates the need to use exception handling to test for a FormatException in the event that s is invalid and cannot be successfully parsed.

C: UnhandledException event handler If the UnhandledException event is handled in the default application domain, it is raised there for any unhandled exception in any thread, no matter what application domain the thread started in. If the thread started in an application domain that has an event handler for UnhandledException, the event is raised in that application domain.

NEW QUESTION 18

 - (Topic 1)

You have a List object that is generated by executing the following code:

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

You need to alter the method to use a lambda statement. How should you rewrite lines 03 through 06 of the method?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

NEW QUESTION 19

DRAG DROP - (Topic 1)

You are developing a class named ExtensionMethods.

You need to ensure that the ExtensionMethods class implements the IsEmail() extension method on string objects.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 20

HOTSPOT - (Topic 1)

You are reviewing the following code:

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer:

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NEW QUESTION 21

 - (Topic 1)

You are developing an application by using C#.

The application includes an object that performs a long running process.

You need to ensure that the garbage collector does not release the object's resources until

the process completes.

Which garbage collector method should you use?

A. RemoveMemoryPressure()

B. ReRegisterForFinalize()

C. WaitForFullGCComplete()

D. KeepAlive()

Answer: D

NEW QUESTION 22

 - (Topic 1)

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.)

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

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 23

 - (Topic 2)

You are creating a class library that will be used in a web application. You need to ensure that the class library assembly is strongly named. What should you do?

A. Use assembly attributes.

B. Use the csc.exe /target:Library option when building the application.

C. Use the xsd.exe command-line tool.

D. Use the EdmGen.exe command-line tool.

Answer: A

Explanation: The Windows Software Development Kit (SDK) provides several ways to sign an assembly with a strong name:

* (A) Using assembly attributes to insert the strong name information in your code. You can use either the

AssemblyKeyFileAttribute or the AssemblyKeyNameAttribute, depending on where the key file to be used is located.

* Using the Assembly Linker (Al.exe) provided by the Windows SDK.

* Using compiler options such /keyfile or /delaysign in C# and Visual Basic, or the /KEYFILE or /DELAYSIGN linker option in C++. (For information on delay signing, see Delay Signing an Assembly.)

NEW QUESTION 24

 - (Topic 2)

You have an application that accesses a Web server named Server1.

You need to download an image named Imagel.jpg from Server1 and store the image locally as Filel.jpg.

Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

NEW QUESTION 25

 - (Topic 2)

You need to write a console application that meets the following requirements:

. If the application is compiled in Debug mode, the console output must display Entering debug mode. . If the application is compiled in Release mode, the console output must display Entering release mode.

Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation: Programmatically detecting Release/Debug mode (.NET)

Boolean isDebugMode = false;

#if DEBUG

isDebugMode = true;

#endif

Reference: http://stackoverflow.com/questions/654450/programmatically-detecting-release-debug-mode-net

NEW QUESTION 26

 - (Topic 2)

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

NEW QUESTION 27

 - (Topic 2)

You need to write a console application that meets the following requirements:

. If the application is compiled in Debug mode, the console output must display Entering debug mode. . If the application is compiled in Release mode, the console output must display Entering release mode.

Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation: #elif lets you create a compound conditional directive. The #elif expression will be evaluated if neither the preceding #if (C# Reference) nor any preceding, optional, #elif directive expressions evaluate to true. If a #elif expression evaluates to true, the compiler evaluates all the code between the #elif and the next conditional directive. For example: #define VC7 //... #if debug Console.Writeline("Debug build"); #elif VC7 Console.Writeline("Visual Studio 7"); #endif

Incorrect: Not B:

* System.Reflection.Assembly.GetExecutingAssembly Method Gets the assembly that contains the code that is currently executing.* Assembly.IsDefined Method Indicates whether or not a specified attribute has been applied to the assembly.

* System.Dignostics.Debugger Class Enables communication with a debugger.

Property: IsAttached

Gets a value that indicates whether a debugger is attached to the process.

NEW QUESTION 28

 - (Topic 2)

You are writing the following method (line numbers are included for reference only):

You need to ensure that CreateObject compiles successfully.

What should you do?

A. Insert the following code at line 02: where T : new()

B. Replace line 01 with the following code: public void CreateObject<T>()

C. Replace line 01 with the following code: public Object CreateObject<T>()

D. Insert the following code at line 02: where T : Object

Answer: A

NEW QUESTION 29

 - (Topic 2)

You are modifying an application that processes loans. The following code defines the Loan class. (Line numbers are included for reference only.)

Loans are restricted to a maximum term of 10 years. The application must send a notification message if a loan request exceeds 10 years.

You need to implement the notification mechanism.

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

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B,D

NEW QUESTION 30

 - (Topic 1)

You are developing an application by using C#.

The application includes an object that performs a long running process.

You need to ensure that the garbage collector does not release the object's resources until the process completes.

Which garbage collector method should you use?

A. WaitForFullGCComplete()

B. SuppressFinalize()

C. collect()

D. RemoveMemoryPressure()

Answer: B

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NEW QUESTION 31

- (Topic 1)

You are creating an application that manages information about your company's products. The application includes a class named Product and a method named Save.

The Save() method must be strongly typed. It must allow only types inherited from the Product class that use a constructor that accepts no parameters.

You need to implement the Save() method. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

NEW QUESTION 32

- (Topic 2)

You need to store the values in a collection.

The solution must meet the following requirements:

. The values must be stored in the order that they were added to the collection. . The values must be accessed in a first-in, first-out order.

Which type of collection should you use?

A. SortedList

B. Queue

C. ArrayList

D. Hashtable

Answer: B

NEW QUESTION 33

- (Topic 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. DbDataAdapter

B. unTyped DataSet

C. OleDbDataAdapter

D. DbDataReader

Answer: D

Explanation: The DbDataReader class reads a forward-only stream of rows from a data source.

Reference: DbDataReader Class

https://msdn.microsoft.com/en-us/library/system.data.common.dbdatareader(v=vs.110).aspx

NEW QUESTION 34

 - (Topic 1)

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.)

You need to add a user to the BookTracker instance. What should you do? A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

NEW QUESTION 35

 - (Topic 1)

You are modifying an application that processes leases. The following code defines the Lease class. (Line numbers are included for reference only.)

Leases are restricted to a maximum term of 5 years. The application must send a notification message if a lease request exceeds 5 years.

You need to implement the notification mechanism.

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

A. Option A

B. Option B

C. Option C

D. Option D

E. Option E

F. Option F

Answer: A,B

NEW QUESTION 36

 HOTSPOT - (Topic 2)

You define a class by using the following code:

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

Answer:

NEW QUESTION 37

 - (Topic 2)

You are developing a class named Account that will be used by several applications. The applications that will consume the Account class will make asynchronous calls to the Account class to execute several different methods.

You need to ensure that only one call to the methods is executed at a time.

Which keyword should you use?

A. sealed

B. protected

C. checked

D. lock

Answer: D

NEW QUESTION 38

HOTSPOT - (Topic 2)

You are building a data access layer in an application that contains the following code:

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer:

NEW QUESTION 39

- (Topic 1)

You are developing an application by using C#. The application includes the following code segment. (Line numbers are included for reference only.)

The DoWork() method must throw an InvalidCastException exception if the obj object is not of type IDataContainer when accessing the Data property.

You need to meet the requirements. Which code segment should you insert at line 07?

A. var dataContainer = (IDataContainer) obj;

B. var dataContainer = obj as IDataContainer;

C. var dataContainer = obj is IDataContainer;

D. dynamic dataContainer = obj;

Answer: A

Explanation:

http://msdn.microsoft.com/en-us/library/ms173105.aspx

NEW QUESTION 40

DRAG DROP - (Topic 1)

You are developing an application by using C#. The application includes an array of decimal values named loanAmounts. You are developing a LINQ query to return the values from the array.

The query must return decimal values that are evenly divisible by two. The values must be sorted from the lowest value to the highest value.

You need to ensure that the query correctly returns the decimal values.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

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NEW QUESTION 41

DRAG DROP - (Topic 1)

You have a method named GetCustomerIDs that returns a list of integers. Each entry in the list represents a customer ID that is retrieved from a list named Customers. The Customers list contains 1,000 rows.

Another developer creates a method named ValidateCustomer that accepts an integer parameter and returns a Boolean value. ValidateCustomer returns true if the integer provided references a valid customer. ValidateCustomer can take up to one second to run.

You need to create a method that returns a list of valid customer IDs. The code must execute in the shortest amount of time.

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

Answer:

NEW QUESTION 42

- (Topic 1)

You are creating a class named Employee. The class exposes a string property named EmployeeType. The following code segment defines the Employee class. (Line numbers are included for reference only.)

The EmployeeType property value must meet the following requirements:

. The value must be accessed only by code within the Employee class or within a class derived from the Employee class. . The value must be modified only by code within the Employee class.

You need to ensure that the implementation of the EmployeeType property meets the requirements.

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

A. Replace line 03 with the following code segment: public string EmployeeType

B. Replace line 06 with the following code segment: protected set;

C. Replace line 05 with the following code segment: private get;

D. Replace line 05 with the following code segment: protected get;

E. Replace line 03 with the following code segment: protected string EmployeeType

F. Replace line 06 with the following code segment: private set;

Answer: E,F

NEW QUESTION 43

 - (Topic 1)

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.)

You need to serialize the Location object as XML.

Which code segment should you insert at line 20?

A. new XmlSerializer(typeof(Location))

B. new NetDataContractSerializer()

C. new DataContractJsonSerializer(typeof (Location))

D. new DataContractSerializer(typeof(Location))

Answer: D

Explanation:

The code is using [DataContract] attribute here so need to used DataContractSerializer class.

NEW QUESTION 44

 DRAG DROP - (Topic 2)

An application serializes and deserializes XML from streams. The XML streams are in the following format:

The application reads the XML streams by using a DataContractSerializer object that is declared by the following code segment:

You need to ensure that the application preserves the element ordering as provided in the XML stream.

You have the following code:

Which attributes should you include in Target 1, Target 2 and Target 3 to complete the code? (To answer, drag the appropriate attributes to the correct targets in the answer area. Each attribute 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:

NEW QUESTION 45

 DRAG DROP - (Topic 1)

You are developing an application by using C#. The application will output the text string "First Line" followed by the text string "Second Line".

You need to ensure that an empty line separates the text strings.

Which four code segments should you use in sequence? (To answer, move the appropriate code segments to the answer area and arrange them in the correct order.)

Answer:

NEW QUESTION 46

 HOTSPOT - (Topic 2)

A developer designs an interface that contains the following code:

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer:

NEW QUESTION 47

 DRAG DROP - (Topic 1)

You are developing an application that will include a method named GetData. The GetData() method will retrieve several lines of data from a web service by using a System.IO.StreamReader object.

You have the following requirements:

. The GetData() method must return a string value that contains the entire response from the web service. . The application must remain responsive while the GetData() method runs.

You need to implement the GetData() method.

How should you complete the relevant code? (To answer, drag the appropriate objects to the correct locations in the answer area. Each object 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:

NEW QUESTION 48

 - (Topic 1)

You are developing an application by using C#. You provide a public key to the

development team during development.

You need to specify that the assembly is not fully signed when it is built.

Which two assembly attributes should you include in the source code? (Each correct

answer presents part of the solution. Choose two.)

A. AssemblyFlagsAttribute

B. AssemblyKeyFileAttribute

C. AssemblyConfigurationAttribute

D. AssemblyDelaySignAttribute

Answer: B,D

NEW QUESTION 49

 - (Topic 2)

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. Decorate the code by using the [DebuggerDisplay("Mydebug")] attribute.

C. Configure the Define DEBUG constant setting in Microsoft Visual Studio.

D. Disable the strong-name bypass feature of Microsoft .NET Framework in the registry.

Answer: C

Explanation: Use one debug version to connect to the development database, and a standard version to
connect to the live database.

NEW QUESTION 50

- (Topic 2)

You are developing an application that uses multiple asynchronous tasks to optimize performance.

You need to retrieve the result of an asynchronous task.

Which code segment should you use?

A. Option A B. Option B

C. Option C

D. Option D

Answer: C

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NEW QUESTION 51

- (Topic 1)

You are creating an application that manages information about your company's products. The application includes a class named Product and a method named Save.

The Save() method must be strongly typed. It must allow only types inherited from the Product class that use a constructor that accepts no parameters.

You need to implement the Save() method. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation:

When you define a generic class, you can apply restrictions to the kinds of types that client

code can use for type arguments when it instantiates your class. If client code tries to instantiate your class by using a type that is not allowed by a constraint, the result is a compile-time error. These restrictions are called constraints. Constraints are specified by using the where contextual keyword. http://msdn.microsoft.com/en-us/library/d5x73970.aspx

NEW QUESTION 52

 - (Topic 2)

You are developing an application by using C#. The application will write events to an event log. You plan to deploy the application to a server.

You create an event source named MySource and a custom log named MyLog on the server.

You need to write events to the custom log. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

NEW QUESTION 53

 - (Topic 2)

You are developing an application that uses a .config file.

The relevant portion of the .config file is shown as follows:

You need to ensure that diagnostic data for the application writes to the event log by using the configuration specified in the .config file.

What should you include in the application code?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation: Explanation

http://msdn.microsoft.com/en-us/library/vstudio/system.diagnostics.eventlogtracelistener

Public static void Main(string[] args) {

Create a trace listener for the event log.

EventLogTraceListener myTraceListener = new

EventLogTraceListener("myEventLogSource");

Add the event log trace listener to the collection.

Trace.Listeners.Add(myTraceListener);

// Write output to the event log.

Trace.WriteLine("Test output");

}

NEW QUESTION 54

DRAG DROP - (Topic 2)

You are developing an application that will write data to a file. The application includes the following code segment. (Line numbers are included for reference only.)

You need to ensure that the WriteData() method will write data to a file.

Which four code segments should you insert in sequence at line 03? (To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.)

Answer:

NEW QUESTION 55

- (Topic 1)

You are developing a C# application that includes a class named Product. The following code segment defines the Product class:

You implement System.ComponentModel.DataAnnotations.IValidateableObject interface to provide a way to validate the Product object.

The Product object has the following requirements:

. The Id property must have a value greater than zero.

. The Name property must have a value other than empty or null. You need to validate the Product object. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

NEW QUESTION 56

- (Topic 2)

You are developing a C# application. The application references and calls a RESTful web service named EmployeeService. The EmployeeService web service includes a method named GetEmployee, which accepts an employee ID as a parameter. The web service returns the following JSON data from the method.

{"Id":1,"Name":"David Jones">

The following code segment invokes the service and stores the result:

You need to convert the returned JSON data to an Employee object for use in the application.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

NEW QUESTION 57

- (Topic 2)

You are developing an application that will parse a large amount of text.

You need to parse the text into separate lines and minimize memory use while processing data.

Which object type should you use?

A. DataContractSerializer

B. StringBuilder

C. StringReader

D. JsonSerializer

Answer: C

NEW QUESTION 58

DRAG DROP - (Topic 2)

You are creating a method that saves information to a database.

You have a static class named LogHelper. LogHelper has a method named Log to log the exception.

You need to use the LogHelper Log method to log the exception raised by the database server. The solution must ensure that the exception can be caught by the calling method, while preserving the original stack trace.

How should you write the catch block? (Develop the solution by selecting and ordering the required code snippets. You may not need all of the code snippets.)

Answer:

NEW QUESTION 59

- (Topic 1)

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

The GetAnimals() method must meet the following requirements:

Connect to a Microsoft SQL Server database.

Create Animal objects and populate them with data from the database.

Return a sequence of populated Animal 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 16: while(sqlDataReader.NextResult())

B. Insert the following code segment at line 13: sqlConnection.Open();

C. Insert the following code segment at line 13: sqlConnection.BeginTransaction();

D. Insert the following code segment at line 16: while(sqlDataReader.Read())

E. Insert the following code segment at line 16: while(sqlDataReader.GetValues())

Answer: B,D

Explanation:

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

SqlDataReader.Read - Advances the SqlDataReader to the next record. http://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqldatareader.read.aspx

NEW QUESTION 60

- (Topic 2)

You are developing an application that includes a class named Employee and a generic list

of employees. The following code segment declares the list of employees:

List<Employee> employeesList = new List<Employee>();

You populate the employeesList object with several hundred Employee objects.

The application must display the data for five Employee objects at a time.

You need to create a method that will return the correct number of Employee objects.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

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NEW QUESTION 61

- (Topic 2)

You need to write a console application that meets the following requirements:

. If the application is compiled in Debug mode, the console output must display Entering debug mode. . If the application is compiled in Release mode, the console output must display Entering release mode.

Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: When the C# compiler encounters an #if directive, followed eventually by an #endif directive, it will compile the code between the directives only if the specified symbol is defined. Unlike C and C++, you cannot assign a numeric value to a symbol; the #if statement in C# is Boolean and only tests whether the symbol has been defined or not. For example, #define DEBUG // ... #if DEBUG Console.WriteLine("Debug version"); #endif

NEW QUESTION 62

HOTSPOT - (Topic 1)

You have the following code: To answer, complete each statement according to the information presented in the code.

Answer:

NEW QUESTION 63

DRAG DROP - (Topic 1)

You are developing an application that includes a class named Warehouse. The Warehouse class includes a static property named Inventory- The Warehouse class is defined by the following code segment. (Line numbers are included for reference only.)

You have the following requirements:

Initialize the _inventory field to an Inventory instance.

Initialize the _inventory field only once.

Ensure that the application code acquires a lock only when the _inventory object must be instantiated.

You need to meet the requirements.

Which three code segments should you insert in sequence at line 09? (To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.)

Answer:

NEW QUESTION 64

DRAG DROP - (Topic 1)

You are developing a class named Temperature.

You need to ensure that collections of Temperature objects are sortable.

How should you complete the relevant code segment? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 65

 - (Topic 2)

You are developing an assembly.

You plan to sign the assembly when the assembly is developed.

You need to reserve space in the assembly for the signature.

What should you do?

A. Run the Assembly Linker tool from the Windows Software Development Kit (Windows SDK).

B. Run the Strong Name tool from the Windows Software Development Kit (Windows SDK).

C. Add the AssemblySignatureKeyAttribute attribute the assembly.

D. Add the AssemblyDelaySignAttribute attribute to the assembly.

Answer: D

NEW QUESTION 66

 DRAG DROP - (Topic 1)

An application serializes and deserializes XML from streams. The XML streams are in the following format:

The application reads the XML streams by using a DataContractSerializer object that is declared by the following code segment:

var ser = new DataContractSerializer(typeof(Name));

You need to ensure that the application preserves the element ordering as provided in the XML stream.

How should you complete the relevant code? (To answer, drag the appropriate attributes to the correct locations in the answer area-Each attribute 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:

NEW QUESTION 67

- (Topic 2)

You are developing a method named GenerateHash that will create the hash value for a file. The method includes the following code. (Line numbers are included for reference only.)

You need to return the cryptographic hash of the bytes contained in the fileBuffer variable. Which code segment should you insert at line 05?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

NEW QUESTION 68

- (Topic 2)

You are creating an application that processes a list of numbers.

The application must define a method that queries the list and displays a subset of the

numbers to the user. The method must not update the list.

You need to create an extendable query by using LINQ.

What should you do?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

NEW QUESTION 69

- (Topic 1)

You are developing an application that includes a class named Order. The application will store a collection of Order objects.

The collection must meet the following requirements:

Use strongly typed members.

Process Order objects in first-in-first-out order.

Store values for each Order object.

. Use zero-based indices.

You need to use a collection type that meets the requirements.

Which collection type should you use?

A. Queue<T>

B. SortedList

C. LinkedList<T>

D. HashTable

E. Array<T>

Answer: A

Explanation:

Queues are useful for storing messages in the order they were received for sequential processing. Objects stored in a Queue<T> are inserted at one end and removed from the other. http://msdn.microsoft.com/en-us/library/7977ey2c.aspx

NEW QUESTION 70

 - (Topic 2)

You are creating a console application named App1.

App1 will validate user input for order entries.

You are developing the following code segment (line numbers are included for reference only):

You need to complete the code segment.

The solution must ensure that prices are positive and have two decimal places.

Which code should you insert at line 03?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: * Regex.IsMatch Method (String, String)

Indicates whether the specified regular expression finds a match in the specified input string.

Syntax:

public static bool IsMatch(

string input,

string pattern

)

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NEW QUESTION 71

- (Topic 2)

You are developing an application.

You need to declare a delegate for a method that accepts an integer as a parameter, and then returns an integer.

Which type of delegate should you use?

A. Action<int>

B. Action<int, int>

C. Func<int, int>

D. Func<int>

Answer: C

NEW QUESTION 72

- (Topic 1)

You are developing an application that will transmit large amounts of data between a client computer and a server. You need to ensure the validity of the data by using a cryptographic hashing algorithm. Which algorithm should you use?

A. DES

B. HMACSHA512

C. RNGCryptoServiceProvider

D. ECDsa

Answer: B

NEW QUESTION 73

 - (Topic 2)

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

You need to ensure that code generated by the GenerateCode() method represents a class that can be accessed by all objects in its application domain.

Which two code segments can you insert at line 05 to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A,C

NEW QUESTION 74

 - (Topic 1)

You are developing an application. The application calls a method that returns an array of integers named employeeIds. You define an integer variable named employeeIdToRemove and assign a value to it. You declare an array named filteredEmployeeIds.

You have the following requirements:

Remove duplicate integers from the employeeIds array.

Sort the array in order from the highest value to the lowest value.

Remove the integer value stored in the employeeIdToRemove variable from the

employeeIds array.

You need to create a LINQ query to meet the requirements.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

NEW QUESTION 75

DRAG DROP - (Topic 2)

You are developing an application that will write string values to a file. The application includes the following code segment. (Line numbers are included for reference only.)

01 protected void ProcessFile(string fileName, string value) 02 {

04 }

You need to ensure that the ProcessFile() method will write string values to a file.

Which four code segments should you insert in sequence at line 03? (To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.)

Answer:

NEW QUESTION 76

- (Topic 1)

You are developing an application by using C#.

You have the following requirements:

Support 32-bit and 64-bit system configurations.

Include pre-processor directives that are specific to the system configuration.

Deploy an application version that includes both system configurations to testers.

Ensure that stack traces include accurate line numbers.

You need to configure the project to avoid changing individual configuration settings every time you deploy the application to testers.

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

A. Update the platform target and conditional compilation symbols for each application configuration.

B. Create two application configurations based on the default Release configuration.

C. Optimize the application through address rebasing in the 64-bit configuration.

D. Create two application configurations based on the default Debug configuration.

Answer: B,D

NEW QUESTION 77

 - (Topic 2)

You are evaluating a method that calculates loan interest- The application includes the following code segment. (Line numbers are included for reference only.)

When the loanTerm value is 3 and the loanAmount value is 9750, the loanRate must be set to 8.25 percent.

You need to adjust the loanRate value to meet the requirements.

What should you do?

A. Replace line 04 with the following code segment: decimal loanRate = 0.0325m;

B. Replace line 17 with the following code segment: interestAmount = loanAmount * 0.0825m * loanTerm;

C. Replace line 15 with the following code segment: loanRate = 0.0825m;

D. Replace line 07 with the following code segment: loanRate = 0.0825m;

Answer: C

NEW QUESTION 78

DRAG DROP - (Topic 1)

You are developing an application that includes a class named Kiosk. The Kiosk class includes a static property named Catalog. The Kiosk class is defined by the following code segment. (Line numbers are included for reference only.)

You have the following requirements:

Initialize the _catalog field to a Catalog instance.

Initialize the _catalog field only once.

Ensure that the application code acquires a lock only when the _catalog object must be instantiated.

You need to meet the requirements.

Which three code segments should you insert in sequence at line 09? (To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.)

Answer:

NEW QUESTION 79

- (Topic 2)

You are implementing a method named GetValidEmailAddresses. The GetValidEmailAddresses() method processes a list of string values that represent email addresses.

The GetValidEmailAddresses() method must return only email addresses that are in a valid format.

You need to implement the GetValidEmailAddresses() method.

Which two code segments can you use to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B,D

Explanation: Note:

* List<T>.Add Method

Adds an object to the end of the List<T>.

NEW QUESTION 80

- (Topic 2)

You are creating a console application named Appl.

App1 retrieves data from the Internet by using JavaScript Object Notation (JSON).

You are developing the following code segment (line numbers are included for reference only):

You need to ensure that the code validates the JSON string. Which code should you insert at line 03?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: JavaScriptSerializer().Deserialize

Converts the specified JSON string to an object of type T.

Example:

string json = File.ReadAllText(Environment.CurrentDirectory + @"\\JSON.txt");

Company company = new

System.Web.Script.Serialization.JavaScriptSerializer().Deserialize<Company>(

Reference: C# - serialize object to JSON format using JavaScriptSerializer

http://matijabozicevic.com/blog/csharp-net-development/csharp-serialize-object-to-json-format-using-javascriptserialization

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NEW QUESTION 81

 - (Topic 1)

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

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<Customer> 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())

Answer: B,D

Explanation:

SqlConnection.Open - Opens a database connection with the property settings specified by the ConnectionString.

http://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqlconnection.open.aspx SqlDataReader.Read - Advances the SqlDataReader to the next record. http://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqldatareader.read.aspx

NEW QUESTION 82

 - (Topic 1)

You are developing an application that uses the Microsoft ADO.NET Entity Framework to retrieve order information from a Microsoft SQL Server database. The application includes the following code. (Line numbers are included for reference only.)

The application must meet the following requirements:

. Return only orders that have an OrderDate value other than null.

. Return only orders that were placed in the year specified in the year parameter.

You need to ensure that the application meets the requirements. Which code segment should you insert at line 08?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

NEW QUESTION 83

 - (Topic 2)

You are modifying an existing application.

The application includes a Loan class and a Customer class. The following code segment defines the classes.

You populate a collection named customer-Collection with Customer and Loan objects by using the following code segment:

You create a largeCustomerLoans collection to store the Loan objects by using the following code segment:

Collection<Loan> largeCustomerLoans = new Collection<Loan>();

All loans with an Amount value greater than or equal to 4000 must be tracked.

You need to populate the largeCustomerLoans collection with Loan objects.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation: Must add to the largeCustomerLoans collection, not the customerLoanCollection.

We iterate through each customer in customerCollection and check each loan belonging to this customer.

NEW QUESTION 84

- (Topic 1)

An application includes a class named Person. The Person class includes a method named GetData.

You need to ensure that the GetData() from the Person class.

Which access modifier should you use for the GetData() method?

A. Internal

B. Protected

C. Private

D. Protected internal

E. Public

Answer: B

Explanation:

Protected - The type or member can be accessed only by code in the same class or structure, or in a class that is derived from that class. http://msdn.microsoft.com/en-us/library/ms173121.aspx The protected keyword is a member access modifier. A protected member is accessible within its class and by derived class instances.

NEW QUESTION 85

 - (Topic 2)

You have the following code (line numbers are included for reference only):

You need to ensure that if an exception occurs, the exception will be logged. Which code should you insert at line 28?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation: * XmlWriterTraceListener

Directs tracing or debugging output as XML-encoded data to a TextWriter or to a Stream,

such as a FileStream.

NEW QUESTION 86

 - (Topic 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. DbDataReader

B. DataContext

C. unTyped DataSet

D. DbDataAdapter

Answer: C

Explanation: DbDataReader Class

Reads a forward-only stream of rows from a data source.

NEW QUESTION 87

DRAG DROP - (Topic 2)

You are developing a C# application. The application includes a class named Rate. The following code segment implements the Rate class:

You define a collection of rates named rateCollection by using the following code segment:

Collection<Rate> rateCollection = new Collection<Rate>() ;

The application receives an XML file that contains rate information in the following format:

You need to parse the XML file and populate the rateCollection collection with Rate objects.

You have the following code: Which code segments should you include in Target 1, Target 2, Target 3 and Target 4 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment 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:

NEW QUESTION 88

- (Topic 1)

You are developing an application by using C#. You provide a public key to the development team during development.

You need to specify that the assembly is not fully signed when it is built.

Which two assembly attributes should you include in the source code? (Each correct answer presents part of the solution. Choose two.)

A. AssemblyKeyNameAttribute

B. ObfuscateAssemblyAttribute

C. AssemblyDelaySignAttribute

D. AssemblyKeyFileAttribute

Answer: C,D

Explanation:

http://msdn.microsoft.com/en-us/library/t07a3dye(v=vs.110).aspx

NEW QUESTION 89

 - (Topic 2)

You have the following code:

You need to retrieve all of the numbers from the items variable that are greater than 80. Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: Example: All number larger than 15 from a list using the var query = from num in numbers... contstruct:

var largeNumbersQuery = numbers2.Where(c => c > 15);

Reference: How to: Write LINQ Queries in C#

https://msdn.microsoft.com/en-us/library/bb397678.aspx

NEW QUESTION 90

 - (Topic 2)

You develop an application by using C#. The application counts the number of times a specific word appears within a set of text files. The application includes the following code. (Line numbers are included for reference only.)

You have the following requirements:

. Populate the _wordCounts object with a list of words and the number of occurrences of each word. . Ensure that updates to the ConcurrentDictionary object can happen in parallel.

You need to complete the relevant code.

Which code segment should you insert at line 23?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

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NEW QUESTION 91

 - (Topic 2)

You are developing an application that uses multiple asynchronous tasks to optimize performance. The application will be deployed in a distributed environment.

You need to retrieve the result of an asynchronous task that retrieves data from a web service.

The data will later be parsed by a separate task. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

NEW QUESTION 92

 - (Topic 2)

You have the following class (line numbers are included for reference only):

ServiceProxy is a proxy for a web service. Calls to the Update method can take up to five seconds. The Test class is the only class the uses Class1.

You run the Execute method three times, and you receive the following results: 312 231

You need to ensure that each value is appended to the Value property in the order that the Modify methods

are invoked.

What should you do?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

NEW QUESTION 93

 - (Topic 2)

You are implementing a new method named ProcessData. The ProcessData() method calls a third-party component that performs a long-running operation.

The third-party component uses the IAsyncResult pattern to signal completion of the long-running operation.

You need to ensure that the calling code handles the long-running operation as a System.Threading.Tasks.Task object.

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

A. Call the component by using the TaskFactory.FromAsync() method.

B. Create a TaskCompletionSource<T> object.

C. Apply the async modifier to the method signature.

D. Apply the following attribute to the method signature: [MethodImpl(MethodImplOptions.Synchronized)]

Answer: A,B

Explanation: A: TaskFactory.FromAsync Method

Creates a Task that represents a pair of begin and end methods that conform to the

Asynchronous Programming Model pattern. Overloaded.

Example:

TaskFactory.FromAsync Method (IAsyncResult, Action<IAsyncResult>)

Creates a Task that executes an end method action when a specified IAsyncResult

completes.

B: In many scenarios, it is useful to enable a Task<TResult> to represent an external asynchronous operation. TaskCompletionSource<TResult> is provided for this purpose. It enables the creation of a task that can be handed out to consumers, and those consumers can use the members of the task as they would any other. However, unlike most tasks, the state of a task created by a TaskCompletionSource is controlled explicitly by the methods on TaskCompletionSource. This enables the completion of the external asynchronous operation to be propagated to the underlying Task. The separation also ensures that consumers are not able to transition the state without access to the corresponding TaskCompletionSource.

Note:

* System.Threading.Tasks.Task Represents an asynchronous operation.

NEW QUESTION 94

 - (Topic 2)

You are developing an application by using C#. The application will write events to an event log. You plan to deploy the application to a server.

You create an event source named AppSource and a custom log named AppLog on the server.

You need to write events to the custom log. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation: Source should be AppSource:

* New-EventLog

Creates a new event log and a new event source on a local or remote computer.

Parameters include:

-Source<String[]>

Specifies the names of the event log sources, such as application programs that write to the event log. This parameter is required.

NEW QUESTION 95

 - (Topic 1)

You are debugging an application that calculates loan interest. The application includes the following code. (Line numbers are included for reference only.)

You need to ensure that the debugger breaks execution within the CalculateInterest() method when the loanAmount variable is less than or equal to zero in all builds of the application.

What should you do?

A. Insert the following code segment at line 03: Trace.Assert(loanAmount > 0);

B. Insert the following code segment at line 03: Debug.Assert(loanAmount > 0);

C. Insert the following code segment at line 05: Debug.Write(loanAmount > 0);

D. Insert the following code segment at line 05: Trace.Write(loanAmount > 0);

Answer: A

Explanation:

By default, the Debug.Assert method works only in debug builds. Use the Trace.Assert method if you want to do assertions in release builds. For more information, see Assertions in Managed Code. http://msdn.microsoft.com/en-us/library/kssw4w7z.aspx

NEW QUESTION 96

 - (Topic 2)

You are developing an application that includes the following code segment:

You need to implement both Start() methods in a derived class named UseStart that uses the Start() method of each interface.

Which two code segments should you use? (Each correct answer presents part of the solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

E. Option E

F. Option F

Answer: B,E

Explanation: B:

* Implementing Multiple Interfaces

A class can implement multiple interfaces using the following syntax:

C#

public class CDAndDVDComboPlayer : ICDPlayer, IDVDPlayer

If a class implements more than one interface where there is ambiguity in the names of members, it is resolved using the full qualifier for the property or method name. In other words, the derived class can resolve the conflict by using the fully qualified name for the method to indicate to which interface it belongs

* In C#, both inheritance and interface implementation are defined by the : operator, equivalent to extends and implements in Java. The base class should always be leftmost in the class declaration.

NEW QUESTION 97

 - (Topic 1)

You are developing an application by using C#. The application includes the following code segment. (Line numbers are included for reference only.)

The DoWork() method must not throw any exceptions when converting the obj object to the IDataContainer interface or when accessing the Data property.

You need to meet the requirements. Which code segment should you insert at line 07?

A. var dataContainer = (IDataContainer)obj;

B. dynamic dataContainer = obj;

C. var dataContainer = obj is IDataContainer;

D. var dataContainer = obj as IDataContainer;

Answer: D

Explanation:

As - The as operator is like a cast operation. However, if the conversion isn't possible, as returns null instead of raising an exception. http://msdn.microsoft.com/en-us/library/cscsdfbt(v=vs.110).aspx

NEW QUESTION 98

 - (Topic 2)

You are developing an application that includes the following code segment:

You need to implement the Open() method of each interface in a derived class named UseResources and call the Open() method of each interface.

Which two code segments should you use? (Each correct answer presents part of the solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A,C

Explanation:

* An interface contains only the signatures of methods, properties, events or indexers. A class or struct that implements the interface must implement the members of the interface that are specified in the interface definition.

* Example: interface ISampleInterface { void SampleMethod(); }

class ImplementationClass : ISampleInterface

{

// Explicit interface member implementation:

void ISampleInterface.SampleMethod()

{

// Method implementation.

}

static void Main()

{

// Declare an interface instance.

ISampleInterface obj = new ImplementationClass();

// Call the member.

obj.SampleMethod();

}

}

NEW QUESTION 99

- (Topic 1)

You are developing an assembly that will be used by multiple applications.

You need to install the assembly in the Global Assembly Cache (GAC).

Which two actions can you perform to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Use the Assembly Registration tool (regasm.exe) to register the assembly and to copy the assembly to the GAC.

B. Use the Strong Name tool (sn.exe) to copy the assembly into the GAC.

C. Use Microsoft Register Server (regsvr32.exe) to add the assembly to the GAC.

D. Use the Global Assembly Cache tool (gacutil.exe) to add the assembly to the GAC.

E. Use Windows Installer 2.0 to add the assembly to the GAC.

Answer: D,E

Explanation:

There are two ways to deploy an assembly into the global assembly cache:

Use an installer designed to work with the global assembly cache. This is the preferred option for installing assemblies into the global assembly cache.

Use a developer tool called the Global Assembly Cache tool (Gacutil.exe), provided by the

Windows

Software Development Kit (SDK).

Note:

In deployment scenarios, use Windows Installer 2.0 to install assemblies into the global assembly cache. Use the Global Assembly Cache tool only in development scenarios, because it does not provide assembly reference counting and other features provided when using the Windows Installer.

http://msdn.microsoft.com/en-us/library/yf1d93sz%28v=vs.110%29.aspx

NEW QUESTION 100

- (Topic 2)

You are developing an application that will use multiple asynchronous tasks to optimize performance.

You create three tasks by using the following code segment. (Line numbers are included for reference only.)

You need to ensure that the ProcessTasks() method waits until all three tasks complete before continuing.

Which code segment should you insert at line 09?

A. Task.WaitFor(3);

B. tasks.Yield();

C. tasks.WaitForCompletion();

D. Task.WaitAll(tasks);

Answer: D

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NEW QUESTION 101

 - (Topic 1)

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

You need to evaluate whether an object is null. Which code segment should you insert at line 03?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation: Use the == operator to compare values and in this case also use the null literal.

NEW QUESTION 102

 HOTSPOT - (Topic 1)

You are implementing a library method that accepts a character parameter and returns a string.

If the lookup succeeds, the method must return the corresponding string value. If the lookup fails, the method must return the value "invalid choice."

You need to implement the lookup algorithm.

How should you complete the relevant code? (To answer, select the correct keyword in each drop-down list in

the answer area.)

Answer:

NEW QUESTION 103

 DRAG DROP - (Topic 2)

You are developing a C# application. The application includes a class named Rate. The following code segment implements the Rate class:

You define a collection of rates named rateCollection by using the following code segment:

Collection<Rate> rateCollection = new Collection<Rate>() ;

The application receives an XML file that contains rate information in the following format:

You need to parse the XML file and populate the rateCollection collection with Rate objects.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 104

 DRAG DROP - (Topic 1)

You are developing an application by using C#. The application will process several objects per second.

You need to create a performance counter to analyze the object processing.

Which three actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

Answer:

NEW QUESTION 105

 HOTSPOT - (Topic 1)

You are developing an application that includes a Windows Communication Foundation (WCF) service. The service includes a custom TraceSource object named ts and a method named DoWork. The application must meet the following requirements:

. Collect trace information when the DoWork() method executes. . Group all traces for a single execution of the DoWork() method as an activity that can be viewed in the WCF Service Trace Viewer Tool.

You need to ensure that the application meets the requirements.

How should you complete the relevant code? (To answer, select the correct code segment from each drop-down list in the answer area.)

Answer:

NEW QUESTION 106

 - (Topic 2)

You are creating a console application named App1.

App1 retrieves data from the Internet by using JavaScript Object Notation (JSON).

You are developing the following code segment (line numbers are included for reference only):

You need to ensure that the code validates the JSON string. Which code should you insert at line 03?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation: The JavaScriptSerializer Class Provides serialization and deserialization functionality for AJAX-enabled applications.

The JavaScriptSerializer class is used internally by the asynchronous communication layer to serialize and deserialize the data that is passed between the browser and the Web server. You cannot access that instance of the serializer. However, this class exposes a public API. Therefore, you can use the class when you want to work with JavaScript Object Notation (JSON) in managed code.

NEW QUESTION 107

 - (Topic 1)

You are developing an application by using C#.

The application includes an object that performs a long running process.

You need to ensure that the garbage collector does not release the object's resources until

the process completes.

Which garbage collector method should you use?

A. WaitForFullGCComplete()

B. WaitForFullGCApproach()

C. KeepAlive()

D. WaitForPendingFinalizers()

Answer: C

Explanation: The GC.KeepAlive method references the specified object, which makes it ineligible for garbage collection from the start of the current routine to the point where this method is called. The purpose of the KeepAlive method is to ensure the existence of a reference to an object that is at risk of being prematurely reclaimed by the garbage collector. The KeepAlive method performs no operation and produces no side effects other than extending the lifetime of the object passed in as a parameter.

NEW QUESTION 108

DRAG DROP - (Topic 1)

You are developing an application that implements a set of custom exception types. You declare the custom exception types by using the following code segments:

The application includes a function named DoWork that throws .NET Framework exceptions and custom exceptions.

The application contains only the following logging methods:

The application must meet the following requirements:

. When AdventureWorksValidationException exceptions are caught, log the information by using the static void Log (AdventureWorksValidationException ex) method.

. When AdventureWorksDbException or other AdventureWorksException exceptions are caught, log the information by using the static void I oq(AdventureWorksException ex) method.

You need to meet the requirements.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 109

- (Topic 2)

You are modifying an existing banking application.

The application includes an Account class and a Customer class. The following code segment defines the classes.

You populate a collection named customerCollection with Customer and Account objects by using the following code segment:

You create a largeCustomerAccounts collection to store the Account objects by using the following code segment:

Collection<Account> largeCustomerAccounts = new Collection<Account> ();

All accounts with a Balance value greater than or equal to 1,000,000 must be tracked.

You need to populate the largeCustomerAccounts collection with Account objects.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

NEW QUESTION 110

 - (Topic 2)

You have the following code:

You need to retrieve all of the numbers from the items variable that are greater than 80. Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

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NEW QUESTION 111

- (Topic 2)

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 reverse order in which they are placed into the collection.

You need to meet the requirements.

What should you do?

A. 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.

B. 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.

C. Create a System.Collections.Stack collection. Use the Push() method to add TheaterCustomer objects to the collection. Use the Pop() method to pass the objects to the ProcessTheaterCustomer() method.

D. Create a System.Collections.Queue collection. Use the Enqueue() method to add TheaterCustomer objects to the collection. Use the Peek() method to pass the objects to the ProcessTheaterCustomer() method.

Answer: C

Explanation: A stack is the appropriate collection here. In computer science, a stack or LIFO (last in, first out) is an abstract data type that serves as a collection of elements, with two principal operations: push, which adds an element to the collection, and pop, which removes the last element that was added.

Reference: https://en.wikipedia.org/wiki/Stack_(abstract_data_type)

NEW QUESTION 112

DRAG DROP - (Topic 1)

You are implementing a method that creates an instance of a class named User. The User class contains a public event named Renamed. The following code segment defines the Renamed event:

Public event EventHandler<RenameEventArgs> Renamed;

You need to create an event handler for the Renamed event by using a lambda expression.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct

locations in the answer area. Each code segment 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:

NEW QUESTION 113

- (Topic 1)

You are developing an application by using C#.

The application includes an object that performs a long running process.

You need to ensure that the garbage collector does not release the object's resources until the process completes.

Which garbage collector method should you use?

A. WaitForFullGCComplete()

B. SuppressFinalize()

C. WaitForFullGCApproach()

D. WaitForPendingFinalizers()

Answer: B

NEW QUESTION 114

- (Topic 2)

You are troubleshooting an application that uses a class named FullName. The class is decorated with the DataContractAttribute attribute. The application includes the following code. (Line numbers are included for reference only.)

You need to ensure that the entire FullName object is serialized to the memory stream object.

Which code segment should you insert at line 09?

A. binary.WriteEndElement();

B. binary.NriteEndDocument();

C. ms.Close() ;

D. binary.Flush();

Answer: A

Explanation: * DataContractSerializer.WriteEndObject Method (XmlDictionaryWriter) Writes the closing XML element using an XmlDictionaryWriter.

* Note on line 07: DataContractSerializer.WriteObject Method Writes all the object data (starting XML element, content, and closing element) to an XML document or stream.

XmlDictionaryWriter

NEW QUESTION 115

 - (Topic 1)

You are creating a class named Game.

The Game class must meet the following requirements:

Include a member that represents the score for a Game instance.

Allow external code to assign a value to the score member.

Restrict the range of values that can be assigned to the score member.

You need to implement the score member to meet the requirements.

In which form should you implement the score member?

A. protected field

B. public static field

C. public static property

D. public property

Answer: D

NEW QUESTION 116

 HOTSPOT - (Topic 2)

You have the following code (line numbers are included for reference only):

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

Answer:

NEW QUESTION 117

 - (Topic 1)

An application includes a class named Person. The Person class includes a method named GetData.

You need to ensure that the GetData() method can be used only by the Person class and not by any class derived from the Person class.

Which access modifier should you use for the GetData() method?

A. Public

B. Protected internal

C. Internal

D. Private

E. Protected

Answer: D

Explanation:

The GetData() method should be private. It would then only be visible within the Person class.

NEW QUESTION 118

- (Topic 2)

You are developing a class named EmployeeRoster. The following code implements the EmployeeRoster class. (Line numbers are included for reference only.)

You create the following unit test method to test the EmployeeRoster class implementation:

You need to ensure that the unit test will pass. What should you do?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

NEW QUESTION 119

- (Topic 2)

You are developing code for an application that retrieves information about Microsoft .NET Framework assemblies.

The following code segment is part of the application (line numbers are included for reference only):

You need to insert code at line 04. The code must load the assembly. Once the assembly is loaded, the code must be able to read the assembly metadata, but the code must be denied access from executing code from the assembly.

Which code segment should you insert at line 04?

A. Assembly.ReflectionOnlyLoadFrom(bytes);

B. Assembly.ReflectionOniyLoad(bytes);

C. Assembly.Load(bytes);

D. Assembly.LoadFrom(bytes);

Answer: C

NEW QUESTION 120

 - (Topic 1)

You are developing an application by using C#.

The application includes an object that performs a long running process.

You need to ensure that the garbage collector does not release the object's resources until

the process completes.

Which garbage collector method should you use?

A. ReRegisterForFinalize()

B. SuppressFinalize()

C. Collect()

D. WaitForFullGCApproach()

Answer: B

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NEW QUESTION 121

 - (Topic 2)

You are implementing a method named ProcessFile that retrieves data files from web servers and FTP

servers. The ProcessFile () method has the following method signature:

Public void ProcessFile(Guid dataFileId, string dataFileUri)

Each time the ProcessFile() method is called, it must retrieve a unique data file and then save the data file to disk.

You need to complete the implementation of the ProcessFile() method. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation: * WebRequest.Create Method (Uri)

Initializes a new WebRequest instance for the specified URI scheme.

* Example:

1. To request data from a host server

Create a WebRequest instance by calling Create with the URI of the resource.

C#

WebRequest request = WebRequest.Create("http://www.contoso.com/");

2. Set any property values that you need in the WebRequest. For example, to enable authentication, set the Credentials property to an instance of the NetworkCredential class.

C#

request.Credentials = CredentialCache.DefaultCredentials;

3. To send the request to the server, call GetResponse. The actual type of the returned WebResponse object is determined by the scheme of the requested URI.

C#

WebResponse response = request.GetResponse();

4. To get the stream containing response data sent by the server, use the GetResponseStream method of the WebResponse.

C#

Stream dataStream = response.GetResponseStream ();

NEW QUESTION 122

 - (Topic 1)

You are developing a C# application that has a requirement to validate some string input data by using the Regex class.

The application includes a method named ContainsHyperlink. The ContainsHyperlink() method will verify the presence of a URI and surrounding markup.

The following code segment defines the ContainsHyperlink() method. (Line numbers are included for reference only.)

The expression patterns used for each validation function are constant.

You need to ensure that the expression syntax is evaluated only once when the Regex

object is initially instantiated.

Which code segment should you insert at line 04?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation:

RegexOptions.Compiled - Specifies that the regular expression is compiled to an assembly.This yields faster execution but increases startup time.This value should not be assigned to the Options property when calling the CompileToAssembly method. http://msdn.microsoft.com/en-us/library/system.text.regularexpressions.regexoptions.aspx Additional info http://stackoverflow.com/questions/513412/how-does-regexoptions-compiled-work

NEW QUESTION 123

 DRAG DROP - (Topic 1)

You are developing an application that includes a class named Customer.

The application will output the Customer class as a structured XML document by using the following code segment:

You need to ensure that the Customer class will serialize to XML.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 124

 - (Topic 2)

You are developing an application that includes a class named Customer and a generic list of customers. The following code segment declares the list of customers:

List<Customer> customersList = new List<Customer> () ;

You populate the customersList object with several hundred Customer objects.

The application must display the data for five Customer objects at a time.

You need to create a method that will return the correct number of Customer objects.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 125

 - (Topic 2)

An application contains code that measures reaction times. The code runs the timer on a thread separate from the user interface. The application includes the following code. (Line numbers are included for reference only.)

You need to ensure that the application cancels the timer when the user presses the Enter key.

Which code segment should you insert at line 14?

A. tokenSource.Token.Register(() => tokenSource.Cancel());

B. tokenSource.Cancel();

C. tokenSource.IsCancellationRequested = true;

D. tokenSource.Dispose();

Answer: B

NEW QUESTION 126

 - (Topic 2)

You are implementing a method named GetValidPhoneNumbers. The GetValidPhoneNumbers() method processes a list of string values that represent phone numbers.

The GetValidPhoneNumbers() method must return only phone numbers that are in a valid format.

You need to implement the GetValidPhoneNumbers() method.

Which two code segments can you use to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A,B

Explanation: * Regex.Matches Searches an input string for all occurrences of a regular expression and returns all the matches.

* MatchCollection

Represents the set of successful matches found by iteratively applying a regular

expression pattern to the input string.

The collection is immutable (read-only) and has no public constructor. The Regex.Matches

method returns a MatchCollection object.

* List<T>.Add Method

Adds an object to the end of the List<T>.

NEW QUESTION 127

 HOTSPOT - (Topic 2)

You have the following code:

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer:

NEW QUESTION 128

 - (Topic 2)

You are developing an application that will read data from a text file and display the file contents.

You need to read data from the file, display it, and correctly release the file resources.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 129

 - (Topic 2)

You are developing an application that retrieves patient data from a web service. The application stores the JSON messages returned from the web service in a string variable named PatientAsJson. The variable is encoded as UTF-8. The application includes a class named Patient that is defined by the following code:

You need to populate the Patient class with the data returned from the web service. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 130

- (Topic 2)

You have the following code (line numbers are included for reference only):

You need to ensure that if an exception occurs, the exception will be logged. Which code should you insert at line 28?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: * XmlWriterTraceListener

Directs tracing or debugging output as XML-encoded data to a TextWriter or to a Stream,

such as a FileStream.

* TraceListener.TraceEvent Method (TraceEventCache, String, TraceEventType, Int32) Writes trace and event information to the listener specific output.

Syntax:

[ComVisibleAttribute(false)]

public virtual void TraceEvent(

TraceEventCache eventCache,

string source,

TraceEventType eventType,

int id

)

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NEW QUESTION 131

DRAG DROP - (Topic 2)

You write the following code.

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:

NEW QUESTION 132

 - (Topic 1)

You are implementing a method named FloorTemperature that performs conversions between value types and reference types. The following code segment implements the method. (Line numbers are included for reference only.)

You need to ensure that the application does not throw exceptions on invalid conversions. Which code segment should you insert at line 04?

A. int result = (int)degreesRef;

B. int result = (int)(double)degreesRef;

C. int result = degreesRef;

D. int result = (int)(float)degreesRef;

Answer: D

NEW QUESTION 133

 - (Topic 2)

You are developing a class named Scorecard. The following code implements the Scorecard class. (Line numbers are included for reference only.)

You create the following unit test method to test the Scorecard class implementation:

You need to ensure that the unit test will pass. What should you do?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 134

- (Topic 2)

You are implementing a method named ProcessReports that performs a long-running task. The ProcessReports() method has the following method signature:

public void ProcessReports(List<decimal> values,CancellationTokenSource cts, CancellationToken ct)

If the calling code requests cancellation, the method must perform the following actions:

. Cancel the long-running task.

. Set the task status to TaskStatus.Canceled.

You need to ensure that the ProcessReports() method performs the required actions.

Which code segment should you use in the method body?

A. if (ct.IsCancellationRequested) return;

B. ct.ThrowIfCancellationRequested() ;

C. cts.Cancel();

D. throw new AggregateException();

Answer: B

NEW QUESTION 135

- (Topic 2)

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

You need to ensure that the method extracts a list of URLs that match the following pattern: @http://(www\\.)?([^\\.]+)\\.com;

Which code should you insert at line 07?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation: The MatchCollection.GetEnumerator method returns an enumerator that

iterates through a collection.

Note:

The MatchCollection Class represents the set of successful matches found by iteratively

applying a regular expression pattern to the input string.

Reference: MatchCollection.GetEnumerator Method

https://msdn.microsoft.com/en-
us/library/system.text.regularexpressions.matchcollection.getenumerator(v=vs.110).aspx

NEW QUESTION 136

 - (Topic 2)

You are developing a method named GetHash that will return a hash value for a file. The method includes the following code. (Line numbers are included for reference only.)

You need to return the cryptographic hash of the bytes contained in the fileBytes variable. Which code segment should you insert at line 05?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 137

 - (Topic 2)

You are developing an application that will be deployed to multiple computers. You set the assembly name.

You need to create a unique identity for the application assembly.

Which two assembly identity attributes should you include in the source code? (Each correct answer presents part of the solution. Choose two.)

A. AssemblyTitleAttribute

B. AssemblyCultureAttribute

C. AssemblyVersionAttribute

D. AssemblyKeyNameAttribute

E. AssemblyFileVersion

....

Answer: B,C

Explanation: The AssemblyName object contains information about an assembly, which you can use to bind to that assembly. An assembly's identity consists of the following:

Simple name

Version number

Cryptographic key pair

Supported culture

B: AssemblyCultureAttribute

Specifies which culture the assembly supports.

The attribute is used by compilers to distinguish between a main assembly and a satellite

assembly. A main assembly contains code and the neutral culture's resources. A satellite

assembly contains only resources for a particular culture, as in

[assembly:AssemblyCultureAttribute("de")]

C: AssemblyVersionAttribute

Specifies the version of the assembly being attributed.

The assembly version number is part of an assembly's identity and plays a key part in

binding to the assembly and in version policy.

NEW QUESTION 138

 - (Topic 1)

You are adding a public method named UpdateScore to a public class named ScoreCard.

The code region that updates the score field must meet the following requirements: . It must be accessed by only one thread at a time. . It must not be vulnerable to a deadlock situation. You need to implement the UpdateScore() method.

What should you do?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation:

http://blogs.msdn.com/b/bclteam/archive/2004/01/20/60719.aspx

NEW QUESTION 139

 - (Topic 2)

You have the following code:

You need to retrieve all of the numbers from the items variable that are greater than 80. Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: Enumerable.Where<TSource> Method (IEnumerable<TSource>,

Func<TSource, Boolean>)

Filters a sequence of values based on a predicate.

Example:

List<string> fruits =

new List<string> { "apple", "passionfruit", "banana", "mango",

"orange", "blueberry", "grape", "strawberry" };

IEnumerable<string> query = fruits.Where(fruit => fruit.Length < 6);

foreach (string fruit in query)

{

Console.WriteLine(fruit);

}

/*

This code produces the following output:

apple

mango

grape */

NEW QUESTION 140

 - (Topic 2)

You are developing an application that includes methods named ConvertAmount and TransferFunds.

You need to ensure that the precision and range of the value in the amount variable is not lost when the TransferFunds() method is called.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

Explanation: Simply use float for the TransferFunds parameter.

Note:

* The float keyword signifies a simple type that stores 32-bit floating-point values.

* The double keyword signifies a simple type that stores 64-bit floating-point values

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NEW QUESTION 141

DRAG DROP - (Topic 2)

You are developing an application that implements a set of custom exception types. You declare the custom exception types by using the following code segments:

The application includes a function named DoWork that throws .NET Framework exceptions and custom exceptions. The application contains only the following logging methods:

The application must meet the following requirements:

. When ContosoValidationException exceptions are caught, log the information by using the static void Log (ContosoValidationException ex) method. . When ContosoDbException or other ContosoException exceptions are caught, log the information by using the static void Log(ContosoException ex) method.

You need to meet the requirements.

You have the following code: Which code segments should you include in Target 1, Target 2 and Target 3 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment 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:

NEW QUESTION 142

- (Topic 2)

You are testing an application. The application includes methods named CalculateInterest and LogLine. The CalculateInterest() method calculates loan interest. The LogLine() method sends diagnostic messages to a console window.

The following code implements the methods. (Line numbers are included for reference only.)

You have the following requirements:

. The CalculateInterest() method must run for all build configurations. . The LogLine() method must run only for debug builds.

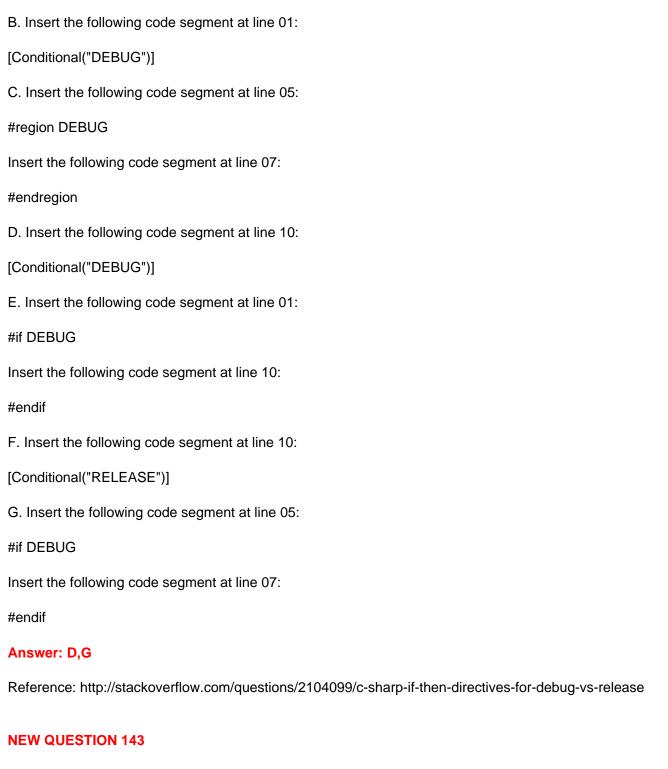You need to ensure that the methods run correctly.

What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Insert the following code segment at line 01:

#region DEBUG

Insert the following code segment at line 10:

#endregion

B. Insert the following code segment at line 01:

[Conditional("DEBUG")]

C. Insert the following code segment at line 05:

#region DEBUG

Insert the following code segment at line 07:

#endregion

D. Insert the following code segment at line 10:

[Conditional("DEBUG")]

E. Insert the following code segment at line 01:

#if DEBUG

Insert the following code segment at line 10:

#endif

F. Insert the following code segment at line 10:

[Conditional("RELEASE")]

G. Insert the following code segment at line 05:

#if DEBUG

Insert the following code segment at line 07:

#endif

Answer: D,G

Reference: http://stackoverflow.com/questions/2104099/c-sharp-if-then-directives-for-debug-vs-release

NEW QUESTION 143

 - (Topic 2)

You are developing an application that produces an executable named MyApp.exe and an assembly named MyApp.dll.

The application will be sold to several customers.

You need to ensure that enough debugging information is available for MyApp.exe, so that if the application throws an error in a customer's environment, you can debug the error in your own development environment.

What should you do?

A. Digitally sign MyApp.dll.

B. Produce program database (PDB) information when you compile the code.

C. Compile MyApp.exe by using the /unsafe compiler option.

D. Initializes a new instance of the AssemblyDelaySignAttribute class in the MyApp.dll constructor.

Answer: B

NEW QUESTION 144

 - (Topic 2)

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

You need to evaluate whether an object is null. Which code segment should you insert at line 03?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: Use the == operator to compare values and in this case also use the null literal.

NEW QUESTION 145

 - (Topic 2)

You are developing an application.

The application contains the following code:

When you compile the code, you receive the following syntax error message: "A previous catch clause already catches all exceptions of this or a super type ('System.Exception')."

You need to ensure that the code can be compiled. What should you do?

A. Catch the ArgumentException exception instead of the ArgumentNullException exception.

B. Throw a new exception in the second catch block.

C. Catch the ArgumentNullException exception first.

D. Re-throw the exception caught by the second catch block.

Answer: A

NEW QUESTION 146

DRAG DROP - (Topic 1)

You are developing a class named ExtensionMethods.

You need to ensure that the ExtensionMethods class implements the IsEmail() method on string objects.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 147

DRAG DROP - (Topic 2)

You are developing a class named Temperature.

You need to ensure that collections of Temperature objects are sortable.

You have the following code:

Which code segments should you include in Target 1, Target 2 and Target 3 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment 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:

NEW QUESTION 148

- (Topic 1)

You are creating a class named Employee. The class exposes a string property named EmployeeType. The following code segment defines the Employee class. (Line numbers are included for reference only.)

The EmployeeType property value must be accessed and modified only by code within the Employee class or within a class derived from the Employee class.

You need to ensure that the implementation of the EmployeeType property meets the requirements.

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

A. Replace line 05 with the following code segment: protected get;

B. Replace line 06 with the following code segment: private set;

C. Replace line 03 with the following code segment: public string EmployeeType

D. Replace line 05 with the following code segment: private get;

E. Replace line 03 with the following code segment: protected string EmployeeType

F. Replace line 06 with the following code segment: protected set;

Answer: B,E

NEW QUESTION 149

 - (Topic 2)

You are developing an application by using C#. The application includes a method named SendMessage. The SendMessage() method requires a string input.

You need to replace "Hello" with "Goodbye" in the parameter that is passed to the SendMessage() method.

Which two code segments can you use to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B,C

Explanation: * The first parameter should be Hello.

* String.Replace Method (String, String)

Returns a new string in which all occurrences of a specified string in the current instance are replaced with another specified string.

This method does not modify the value of the current instance. Instead, it returns a new string in which all occurrences of oldValue are replaced by newValue.

NEW QUESTION 150

HOTSPOT - (Topic 2)

You have the following code (line numbers are included for reference only):

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

Answer:

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NEW QUESTION 151

 - (Topic 1)

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.)

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 NetDataContractSenalizer()

D. New DataContractJsonSerializer(typeof(Location))

Answer: D

Explanation:

The DataContractJsonSerializer class serializes objects to the JavaScript Object Notation

(JSON) and deserializes JSON data to objects.

Use the DataContractJsonSerializer class to serialize instances of a type into a JSON

document and to deserialize a JSON document into an instance of a type.

NEW QUESTION 152

 - (Topic 1)

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 ReadFile() 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);

Answer: A

Explanation:

FileMode.OpenOrCreate - Specifies that the operating system should open a file if it exists; otherwise, a new file should be created. If the file is opened with FileAccess.Read, FileIOPermissionAccess.Read permission is required. If the file access is FileAccess.Write, FileIOPermissionAccess.Write permission is required. If the file is opened with FileAccess.ReadWrite, both FileIOPermissionAccess.Read and FileIOPermissionAccess.Write permissions are required.

http://msdn.microsoft.com/en-us/library/system.io.filemode.aspx

FileShare.ReadWrite - Allows subsequent opening of the file for reading or writing.If this flag is not specified, any request to open the file for reading or writing (by this process or another process) will fail until the file is closed.However, even if this flag is specified, additional permissions might still be needed to access the file. http://msdn.microsoft.com/pl-pl/library/system.io.fileshare.aspx

NEW QUESTION 153

 - (Topic 2)

You plan to store passwords in a Windows Azure SQL Database database.

You need to ensure that the passwords are stored in the database by using a hash algorithm,

Which cryptographic algorithm should you use?

A. ECDSA

B. RSA-768

C. AES-256

D. SHA-256

Answer: D

NEW QUESTION 154

- (Topic 1)

You are developing a method named CreateCounters that will create performance counters for an application. The method includes the following code. (Line numbers are included for reference only.)

You need to ensure that Counter2 is available for use in Windows Performance Monitor (PerfMon).

Which code segment should you insert at line 16?

A. CounterType = PerformanceCounterType.RawBase

B. CounterType = PerformanceCounterType.AverageBase

C. CounterType = PerformanceCounterType.SampleBase

D. CounterType = PerformanceCounterType.CounterMultiBase

Answer: D

Explanation:

PerformanceCounterType.AverageTimer32 - An average counter that measures the time it takes, on average, to complete a process or operation. Counters of this type display a ratio of the total elapsed time of the sample interval to the number of processes or operations completed during that time. This counter type measures time in ticks of the system clock. Formula: $((N_1 - N_0)/F)/(B_1 - B_0)$, where N_1 and N_0 are performance counter readings, B_1 and B_0 are their corresponding AverageBase values, and F is the number of ticks per second. The value of F is factored into the equation so that the result can be displayed in seconds.

Thus, the numerator represents the numbers of ticks counted during the last sample interval, F represents the frequency of the ticks, and the denominator represents the number of operations completed during the last sample interval. Counters of this type include PhysicalDisk\\ Avg. Disk sec/Transfer.

PerformanceCounterType.AverageBase - A base counter that is used in the calculation of time or count averages, such as AverageTimer32 and AverageCount64. Stores the denominator for calculating a counter to present "time per operation" or "count per operation".. http://msdn.microsoft.com/en-us/library/system.diagnostics.performancecountertype.aspx

NEW QUESTION 155

- (Topic 1)

You are developing an application that accepts the input of dates from the user.

Users enter the date in their local format. The date entered by the user is stored in a string variable named inputDate. The valid date value must be placed in a DateTime variable named validatedDate.

You need to validate the entered date and convert it to Coordinated Universal Time (UTC). The code must not cause an exception to be thrown.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation:

AdjustToUniversal parses s and, if necessary, converts it to UTC. Note: The DateTime.TryParse method converts the specified string representation of a date and time to its DateTime equivalent using the specified culture-specific format information and formatting style, and returns a value that indicates whether the conversion succeeded.

NEW QUESTION 156

 - (Topic 2)

You are implementing a method named ProcessData that performs a long-running task. The ProcessData() method has the following method signature:

public void ProcessData(List<decimal> values, CancellationTokenSource source, CancellationToken token)

If the calling code requests cancellation, the method must perform the following actions:

. Cancel the long-running task.

. Set the task status to TaskStatus.Canceled. You need to ensure that the ProcessData() method performs the required actions.

Which code segment should you use in the method body?

A. if (token.IsCancellationRequested) return;

B. throw new AggregateException();

C. token.ThrowIfCancellationRequested();

D. source.Cancel();

Answer: C

NEW QUESTION 157

 - (Topic 2)

You are creating a class named Loan.

The Loan class must meet the following requirements: . Include a member that represents the rate for a Loan instance. . Allow external code to assign a value to the rate member.

Restrict the range of values that can be assigned to the rate member.

You need to implement the rate member to meet the requirements.

In which form should you implement the rate member?

A. public static property

B. public property

C. public static field

D. protected field

Answer: B

NEW QUESTION 158

 - (Topic 2)

You have the following code: You need to retrieve all of the numbers from the items variable that are greater than 80. Which code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 159

 HOTSPOT - (Topic 1)

You are developing an application in C#.

The application will display the temperature and the time at which the temperature was recorded. You have the following method (line numbers are included for reference only):

You need to ensure that the message displayed in the lblMessage object shows the time formatted according to the following requirements:

The time must be formatted as hour:minute AM/PM, for example 2:00 PM.

The date must be formatted as month/day/year, for example 04/21/2013.

The temperature must be formatted to have two decimal places, for example 23-

45.

Which code should you insert at line 04? (To answer, select the appropriate options in the answer area.)

Answer:

NEW QUESTION 160

DRAG DROP - (Topic 2)

You are creating a class named Data that includes a dictionary object named _data.

You need to allow the garbage collection process to collect the references of the _data object.

You have the following code:

Which code segments should you include in Target 1 and Target 2 to complete the code? (To answer, drag the appropriate code segments to the correct locations in the answer area. Each code segment 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:

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NEW QUESTION 161

- (Topic 2)

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

You need to ensure that the method extracts a list of URLs that match the following pattern:

@http://(www\\.)?([^\\.]+)\\.com;

Which code should you insert at line 07?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation: * MatchCollection Represents the set of successful matches found by iteratively applying a regular expression pattern to the input string. The collection is immutable (read-only) and has no public constructor. The Regex.Matches method returns a MatchCollection object.

* List<T>.Add Method Adds an object to the end of the List<T>. Incorrect: Not D: ICollection.SyncRoot Property For collections whose underlying store is not publicly available, the expected implementation is to return the current instance. Note that the pointer to the current instance might not be sufficient for collections that wrap other collections; those should return the underlying collection's SyncRoot property.

NEW QUESTION 162

 - (Topic 2)

You are developing an application that includes a method named SendMessage.

You need to ensure that the SendMessage() method is called with the required parameters.

Which two code segments can you use to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C,D

Explanation: D: ExpandoObject Represents an object whose members can be dynamically added and removed at run time. / The ExpandoObject class enables you to add and delete members of its instances at run time and also to set and get values of these members. This class supports dynamic binding, which enables you to use standard syntax like sampleObject.sampleMember instead of more complex syntax like sampleObject.GetAttribute("sampleMember"). / You can pass instances of the ExpandoObject class as parameters. Note that these instances are treated as dynamic objects in C# and late-bound objects in Visual Basic. This means that you do not have IntelliSense for object members and you do not receive compiler errors when you call non-existent members. If you call a member that does not exist, an exception occurs.

Note:

* Visual C# 2010 introduces a new type, dynamic. The type is a static type, but an object of type dynamic bypasses static type checking. In most cases, it functions like it has type object. At compile time, an element that is typed as dynamic is assumed to support any operation. Therefore, you do not have to be concerned about whether the object gets its value from a COM API, from a dynamic language such as IronPython, from the HTML Document Object Model (DOM), from reflection, or from somewhere else in the program. However, if the code is not valid, errors are caught at run time.

NEW QUESTION 163

 - (Topic 2)

You are troubleshooting an application that uses a class named FullName. The class is decorated with the DataContractAttribute attribute. The application includes the following code. (Line numbers are included for reference only.)

You need to ensure that the entire FullName object is serialized to the memory stream object.

Which code segment should you insert at line 09?

A. binary.WriteEndDocument();

B. binary.WriteEndDocumentAsync();

C. binary.WriteEndElementAsync();

D. binary.Flush();

Answer: A

Explanation: * DataContractSerializer.WriteEndObject Method (XmlDictionaryWriter) Writes the closing XML element using an XmlDictionaryWriter.

* Note on line 07: DataContractSerializer.WriteObject Method Writes all the object data (starting XML element, content, and closing element) to an XML document or stream.

XmlDictionaryWriter

NEW QUESTION 164

 - (Topic 1)

You are adding a public method named UpdateGrade to a public class named ReportCard.

The code region that updates the grade field must meet the following requirements: . It must be accessed by only one thread at a time. . It must not be vulnerable to a deadlock situation. You need to implement the UpdateGrade() method.

What should you do?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

NEW QUESTION 165

 - (Topic 1)

An application will upload data by using HTML form-based encoding. The application uses a method named SendMessage.

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

The receiving URL accepts parameters as form-encoded values.

You need to send the values intA and intB as form-encoded values named a and b,

respectively.

Which code segment should you insert at line 04?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation:

WebClient.UploadValuesTaskAsync - Uploads the specified name/value collection to the resource identified by the specified URI as an asynchronous operation using a task object. These methods do not block the calling thread. http://msdn.microsoft.com/en-us/library/system.net.webclient.uploadvaluestaskasync.aspx

NEW QUESTION 166

 - (Topic 2)

You need to write a method that combines an unknown number of strings. The solution must minimize the amount of memory used by the method when the method executes.

What should you include in the code?

A. The String.Concat method

B. The StringBuilder.Append method

C. The + operator

D. The += operator

Answer: A

Explanation: A: String.Concat Method Concatenates one or more instances of String, or the String representations of the values of one or more instances of Object.

NEW QUESTION 167

DRAG DROP - (Topic 1)

You are developing an application that will populate an extensive XML tree from a Microsoft SQL Server 2008 R2 database table named Contacts.

You are creating the XML tree. The solution must meet the following requirements: . Minimize memory requirements. . Maximize data processing speed. You open the database connection. You need to create the XML tree.

How should you complete the relevant code? (To answer, drag the appropriate code

segments to the correct locations in the answer area. Each code segment 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:

NEW QUESTION 168

- (Topic 2)

You are implementing a new method named ProcessData. The ProcessData() method calls a third-party component that performs a long-running operation to retrieve stock information from a web service.

The third-party component uses the IAsyncResult pattern to signal completion of the long-running operation so that the UI can be updated with the new values.

You need to ensure that the calling code handles the long-running operation as a System.Threading.Tasks.Task object to avoid blocking the UI thread.

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

A. Create a TaskCompletionSource<T> object.

B. Call the component by using the TaskFactory.FromAsync() method.

C. Apply the following attribute to the ProcessData() method signature:
[MethodImpl(MethodImplOptions.Synchronized)]

D. Apply the async modifier to the ProcessData() method signature.

Answer: A,B

Explanation: A: In many scenarios, it is useful to enable a Task<TResult> to represent an external asynchronous operation. TaskCompletionSource<TResult> is provided for this purpose. It enables the creation of a task that can be handed out to consumers, and those consumers can use the members of the task as they would any other. However, unlike most tasks, the state of a task created by a TaskCompletionSource is controlled explicitly by the methods on TaskCompletionSource. This enables the completion of the external asynchronous operation to be propagated to the underlying Task. The separation also ensures that consumers are not able to transition the state without access to the corresponding TaskCompletionSource.

B: TaskFactory.FromAsync Method

Creates a Task that represents a pair of begin and end methods that conform to the

Asynchronous Programming Model pattern. Overloaded.

Example:

TaskFactory.FromAsync Method (IAsyncResult, Action<IAsyncResult>)

Creates a Task that executes an end method action when a specified IAsyncResult completes.

Note:

* System.Threading.Tasks.Task Represents an asynchronous operation.

NEW QUESTION 169

 - (Topic 2)

You need to create a method that can be called by using a varying number of parameters.

What should you use?

A. derived classes

B. interface

C. enumeration

D. method overloading

Answer: D

Explanation: Member overloading means creating two or more members on the same type that differ only in the number or type of parameters but have the same name. Overloading is one of the most important techniques for improving usability, productivity, and readability of reusable libraries. Overloading on the number of parameters makes it possible to provide simpler versions of constructors and methods. Overloading on the parameter type makes it possible to use the same member name for members performing identical operations on a selected set of different types.

NEW QUESTION 170

 HOTSPOT - (Topic 2)

You are developing the following classes named:

Class1

Class2

Class3

All of the classes will be part of a single assembly named Assembly.dll. Assembly.dll will be used by multiple applications.

All of the classes will implement the following interface, which is also part ofAssembly.dll:

public interface Interface1 { void Method1(decimal amount); void Method2(decimal amount); }

You need to ensure that the Method2 method for the Class3 class can be executed only when instances of the class are accessed through the Interface1 interface. The solution must ensure that calls to the Method1 method can be made either through the interface or through an instance of the class.

Which signature should you use for each method? (To answer, select the appropriate signature for each method in the answer area.)

Answer:

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NEW QUESTION 171

 - (Topic 1)

You are developing an application that uses structured exception handling. The application includes a class named ExceptionLogger.

The ExceptionLogger class implements a method named LogException by using the following code segment:

public static void LogException(Exception ex)

You have the following requirements: . Log all exceptions by using the LogException() method of the

ExceptionLogger class. . Rethrow the original exception, including the entire exception stack. You need to meet the requirements.

Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation:

Once an exception is thrown, part of the information it carries is the stack trace. The stack trace is a list of the method call hierarchy that starts with the method that throws the exception and ends with the method that catches the exception. If an exception is re-thrown by specifying the exception in the throw statement, the stack trace is restarted at the current method and the list of method calls between the original method that threw the exception and the current method is lost. To keep the original stack trace information with the exception, use the throw statement without specifying the exception.

http://msdn.microsoft.com/en-us/library/ms182363(v=vs.110).aspx

NEW QUESTION 172

 - (Topic 2)

You have the following code (line numbers are included for reference only):

You need to ensure that new instances of Connection can be created only by other classes by calling the Create method. The solution must allow classes to inherit from Connection.

What should you do?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Explanation: The following list provides the main features of a static class:

* Contains only static members.

* Cannot be instantiated.

* Is sealed.

* Cannot contain Instance Constructors.

Creating a static class is therefore basically the same as creating a class that contains only static members and a private constructor. A private constructor prevents the class from being instantiated.

Reference: Static Classes and Static Class Members (C# Programming Guide)

https://msdn.microsoft.com/en-us/library/79b3xss3.aspx

NEW QUESTION 173

 - (Topic 1)

You are developing an application that uses a .config file.

The relevant portion of the .config file is shown as follows:

You need to ensure that diagnostic data for the application writes to the event tog by using the configuration specified in the .config file.

What should you include in the application code?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

NEW QUESTION 174

 - (Topic 1)

You are developing an application. The application includes classes named Employee and Person and an interface named IPerson.

The Employee class must meet the following requirements:

. It must either inherit from the Person class or implement the IPerson interface. . It must be inheritable by other classes in the application.

You need to ensure that the Employee class meets the requirements.

Which two code segments can you use to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B,D

Explanation:

Sealed - When applied to a class, the sealed modifier prevents other classes from inheriting from it.
http://msdn.microsoft.com/en-us/library/88c54tsw(v=vs.110).aspx

NEW QUESTION 175

 - (Topic 1)

You use the Task.Run() method to launch a long-running data processing operation. The data processing operation often fails in times of heavy network congestion.

If the data processing operation fails, a second operation must clean up any results of the first operation.

You need to ensure that the second operation is invoked only if the data processing operation throws an unhandled exception.

What should you do?

A. Create a task within the operation, and set the Task.StartOnError property to true.

B. Create a TaskFactory object and call the ContinueWhenAll() method of the object.

C. Create a task by calling the Task.ContinueWith() method.

D. Use the TaskScheduler class to create a task and call the TryExecuteTask() method on the class.

Answer: C

Explanation:

Task.ContinueWith - Creates a continuation that executes asynchronously when the target Task completes.The returned Task will not be scheduled for execution until the current task has completed, whether it completes due to running to completion successfully, faulting due to an unhandled exception, or exiting out early due to being canceled. http://msdn.microsoft.com/en-us/library/dd270696.aspx

NEW QUESTION 176

- (Topic 2)

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.

Reference: How to: Compile Conditionally with Trace and Debug

https://msdn.microsoft.com/en-us/library/64yxa344(v=vs.110).aspx

NEW QUESTION 177

- (Topic 1)

You are developing an application that will process orders. The debug and release versions of the application will display different logo images.

You need to ensure that the correct image path is set based on the build configuration. Which code segment should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

Explanation:

There is no such constraint (unless you define one explicitly) RELEASE.
http://stackoverflow.com/questions/507704/will-if-release-work-like-if-debug-does-in-c

NEW QUESTION 178

 - (Topic 2)

You are developing a game that allows players to collect from 0 through 1000 coins. You are creating a method that will be used in the game. The method includes the following code. (Line numbers are included for reference only.)

01 public string FormatCoins(string name, int coins)

02 {

04 }

The method must meet the following requirements:

Return a string that includes the player name and the number of coins. Display the number of coins without leading zeros if the number is 1 or greater. Display the number of coins as a single 0 if the number is 0.

You need to ensure that the method meets the requirements.

Which code segment should you insert at line 03?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

NEW QUESTION 179

 - (Topic 1)

You are developing an application that will transmit large amounts of data between a client computer and a server.

You need to ensure the validity of the data by using a cryptographic hashing algorithm.

Which algorithm should you use?

A. HMACSHA256

B. RNGCryptoServiceProvider

C. DES

D. Aes

Answer: A

Explanation:

The .NET Framework provides the following classes that implement hashing algorithms:

HMACSHA1.

MACTripleDES.

MD5CryptoServiceProvider.

RIPEMD160.

SHA1Managed.

SHA256Managed.

SHA384Managed.

SHA512Managed.

HMAC variants of all of the Secure Hash Algorithm (SHA), Message Digest 5 (MD5), and

RIPEMD-160 algorithms.

CryptoServiceProvider implementations (managed code wrappers) of all the SHA

algorithms.

Cryptography Next Generation (CNG) implementations of all the MD5 and SHA algorithms.

http://msdn.microsoft.com/en-us/library/92f9ye3s.aspx#hash_values

NEW QUESTION 180

DRAG DROP - (Topic 1)

You are developing an application that will include a method named GetData. The

GetData() method will retrieve several lines of data from a web service by using a

System.IO.StreamReader object.

You have the following requirements:

. The GetData() method must return a string value that contains the first line of the response from the web service. . The application must remain responsive while the GetData() method runs.

You need to implement the GetData() method.

How should you complete the relevant code? (To answer, drag the appropriate objects to the correct locations in the answer area. Each object 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:

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NEW QUESTION 181

DRAG DROP - (Topic 2)

You have a method that will evaluate a parameter of type Int32 named Status. You need to ensure that the method meets the following requirements:

If Status is set to Active, the method must return 1.

If Status is set to Inactive, the method must return 0.

If Status is any other value, the method must return -1.

What should you do? (To answer, drag the appropriate statement to the correct location in the answer area. Each statement 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:

NEW QUESTION 182

DRAG DROP - (Topic 2)

You have the following code.

You need to return all of the products and their associated categories.

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:

NEW QUESTION 183

 - (Topic 2)

You have a class named Customer and a variable named customers.

You need to test whether the customers' variable is a generic list of Customer objects. Which line of code should you use?

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation:

http://stackoverflow.com/questions/982487/testing-if-object-is-of-generic-type-in-c-sharp

NEW QUESTION 184

 - (Topic 1)

You are creating a console application by using C#.

You need to access the application assembly.

Which code segment should you use?

A. Assembly.GetAssembly(this);

B. this.GetType();

C. Assembly.Load();

D. Assembly.GetExecutingAssembly();

Answer: D

Explanation:

Assembly.GetExecutingAssembly - Gets the assembly that contains the code that is currently executing.
http://msdn.microsoft.com/en-us/library/system.reflection.assembly.getexecutingassembly(v=vs.110).aspx

Assembly.GetAssembly - Gets the currently loaded assembly in which the specified class is defined.
http://msdn.microsoft.com/en-us/library/system.reflection.assembly.getassembly.aspx

NEW QUESTION 185

 - (Topic 2)

You are developing an application in C#.

The application uses exception handling on a method that is used to execute mathematical calculations by using integer numbers.

You write the following catch blocks for the method (line numbers are included for reference only):

You need to add the following code to the method:

At which line should you insert the code?

A. 01

B. 03

C. 05

D. 07

Answer: A

NEW QUESTION 186

 - (Topic 1)

You are developing an application that will transmit large amounts of data between a client computer and a server. You need to ensure the validity of the data by using a cryptographic hashing algorithm. Which algorithm should you use?

A. ECDsa

B. RNGCryptoServiceProvider

C. Rfc2898DeriveBytes

D. HMACSHA512

Answer: D

NEW QUESTION 187

 - (Topic 1)

You are creating a console application by using C#.

You need to access the assembly found in the file named car.dll.

Which code segment should you use?

A. Assembly.Load();

B. Assembly.GetExecutingAssembly();

C. This.GetType();

D. Assembly.LoadFile("car.dll");

Answer: D

Explanation:

Assembly.LoadFile - Loads the contents of an assembly file on the specified path.
http://msdn.microsoft.com/en-us/library/b61s44e8.aspx

NEW QUESTION 188

 - (Topic 1)

An application receives JSON data in the following format:

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

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

Explanation:

JavaScriptSerializer.Deserialize<T> - Converts the specified JSON string to an object of type T.
http://msdn.microsoft.com/en-us/library/bb355316.aspx

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