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Exam Code: 70-483

Exam Name: Microsoft Programming in C#

Questions and Answers No.: 201-210 (231Q&As)

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QUESTION 201

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: BD

QUESTION 202

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?



```
var manager = new UseResources();
   ((IFile) manager).Open();
    ((IDbConnection)manager).Open();
  class UseResources : IFile, IDbConnection
    1
     public void IFile.Open()
     1
        ...
      }
     public void IDbConnection.Open()
     }
   }
C. var manager = new UseResources();
   manager.Open(IFile);
   manager.Open(IDbConnection);
D. class UseResources : IFile, IDbConnection
      void IFile.Open()
      1
     }
     void IDbConnection.Open()
     1
       ...
     }
    }
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

QUESTION 203

You are developing an application that will convert data into multiple output formats. The application includes the following code. (Line numbers are included for reference only.)

```
01 public class TabDelimitedFormatter : IOutputFormatter<string>
02 {
03
    readonly Func<int, char> suffix = col => col % 2 == 0 ? '\n' : '\t';
    public string GetOutput(IEnumerator<string> iterator, int recordSize)
04
0.5
06
07
    }
08 }
```

You are developing a code segment that will produce tab-delimited output. All output routines implement the following interface:

```
public interface IOutputFormatter<T>
{
    string GetOutput(IEnumerator<T> iterator, int recordSize);
}
```

You need to minimize the completion time of the GetOutput() method. Which code segment should you insert at line 06?

```
C A. string output = null;
      for (int i = 1; iterator.MoveNext(); i++)
        output = string.Concat(output, iterator.Current, suffix(i));
      return output;
C B. var output = new StringBuilder();
      for (int i = 1; iterator.MoveNext(); i++)
       output.Append(iterator.Current);
       output.Append(suffix(i));
      return output.ToString();
CC. string output = null;
      for (int i = 1; iterator.MoveNext(); i++)
       output = output + iterator.Current + suffix(i);
      return output;
C D. string output = null;
     for (int i = 1; iterator.MoveNext(); i++)
       output += iterator.Current + suffix(i);
      return output;
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

QUESTION 204

Which of the following code will you use to encrypt an array called encryptedData that can be encrypted by the current user, and without using any entropy?

- A. ProtectedData.Unprotect(encryptedData, null, DataProtectionScope .CurrentUser);
- B. ProtectedData.Protect(encryptedData, null, DataProtectionScope .LocalMachine);
- C. ProtectedData.Decrypt(encryptedData, null, DataProtectionScope .CurrentUser);
- D. ProtectedData.Unprotect(encryptedData, null, DataProtectionScope .LocalMachine);

Answer: B

QUESTION 205

If the user is typing data into a TextBox and types an invalid character, which of the following actions would be inappropriate for the program to take?



- A. Change the TextBox's background color to indicate the error.
- B. Silently discard the character.
- C. Display an asterisk next to the TextBox to indicate the error.
- D. Display a message box telling the user that there is an error.

Answer: D

QUESTION 206

If the user types an invalid value into a TextBox and moves focus to another TextBox, which of the following actions would be inappropriate for the program to take?

- A. Force focus back into the TextBox that contains the error.
- B. Change the first TextBox's background color to indicate the error.
- C. Change the first TextBox's font to indicate the error.
- D. Display an asterisk next to the first TextBox to indicate the error.

Answer: A

QUESTION 207

If the user enters some invalid data on a form and then clicks the form's Accept button, which of the following actions would be appropriate for the program take?

- A. Change the background color of TextBoxes containing invalid values to indicate the errors.
- B. Display a message box telling the user that there is an error.
- C. Do not close the form until the user corrects all the errors.
- D. All the above.

Answer: D

QUESTION 208

Which of the following methods returns true if a regular expression matches a string?

- A. Regex.Matches
- B. Regex.lsMatch
- C. Regexp.Matches
- D. String.Matches

Answer: B

QUESTION 209

Which of the following regular expressions matches the Social Security number format ###-##-#### where # is any digit?

- A. ^###-##-###\$
- B. ^\d3-\d2-\d4\$
- C. $\d{3}-\d{2}-\d{4}$ \$
- D. 40-9]3-[0-9]2-[0-9]4\$

Answer: C

QUESTION 210



Which of the following regular expressions matches a username that must include between 6 and 16 letters, numbers, and underscores?

- A. ¹(a-zA-Z0-9_]?{6}\$
- B. \[a-zA-Z0-9_]\{6,16\}\\$
- C. '[A-Z0-9a-z_]?\$
- D. \\w{16}?\$

Answer: B