Microsoft

Exam 98-361

Software Development Fundamentals

Version: 10.0

[Total Questions: 276]

Topic break down

Topic	No. of Questions
Topic 1: C#	137
Topic 2: VB	139

Topic 1, C#

Question No : 1 HOTSPOT - (Topic 1)

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Statement	Yes	No
XHTML attribute names must be in uppercase.	○	○
XHTML attribute values must be in quotation marks.	○	○
XHTML attribute minimization is forbidden.	○	○

Answer:

Answer Area

Statement	Yes	No
XHTML attribute names must be in uppercase.	○	☒
XHTML attribute values must be in quotation marks.	☒	○
XHTML attribute minimization is forbidden.	☒	○

Question No : 2 HOTSPOT - (Topic 1)

You are reviewing the following class that is used to manage the results of a 5K race:

```
public class Player
{
  private string _name;
  public const string Key = "player";

  public bool MatchName(string searchTerm)
  {
    return _name.ToLower() == searchTerm;
  }

  public void SetResult(int rank, string name)
  {
    if (_name != null)
      return;

    Ranking = rank;
    _name = name;
  }

  public int Ranking { get; private set; }
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Description of Behavior	Yes	No
You can only set the player's ranking once.	○	○
If you call the MatchName method, the code will throw an exception.	○	○
You can change Key from "player" to "racer".	○	○

Answer:

Answer Area

Description of Behavior	Yes	No
You can only set the player's ranking once.	⊙	○
If you call the MatchName method, the code will throw an exception.	⊙	○
You can change Key from "player" to "racer".	○	⊙

Question No : 3 - (Topic 1)

All objects in .NET inherit from which item?

A. the System.Object class
B. a value type
C. a reference type
D. the System.Type class

Answer: A

Explanation: The System.Object class supports all classes in the .NET Framework class hierarchy and provides low-level services to derived classes. This is the ultimate base class of all classes in the .NET Framework; it is the root of the type hierarchy.

Question No : 4 - (Topic 1)

Which language was designed for the primary purpose of querying data, modifying data, and managing databases in a Relational Database Management System?

A. Java

B. SQL

C. C++

D. Visual Basic

Answer: B

Explanation: SQL is a special-purpose programming language designed for managing data held in a relational database management system (RDBMS).

Question No : 5 - (Topic 1)

You are designing a Windows Store application.

You need to design the application so that users can share content by connecting two or more devices by physically tapping the devices together.

Which user experience (UX) guideline for Windows Store applications should you use?

A. Share and data exchange

B. location-awareness

C. device-awareness

D. proximity gestures

Answer: A

Question No : 6 - (Topic 1)

Your database administrators will not allow you to write SQL code in your application.

How should you retrieve data in your application?

A. Script a SELECT statement to a file.

B. Query a database view.

C. Call a stored procedure.

D. Reference an index in the database.

Answer: C

Explanation: The SQL will only be inside the stored procedure.

Question No : 7 - (Topic 1)

You are developing a database that other programmers will query to display race results.

You need to provide the ability to query race results without allowing access to other information in the database.

What should you do?

A. Disable implicit transactions.
B. place the query into a stored procedure.
C. Create an index on the result table.
D. Add an AFTER UPDATE trigger on the result table to reject updates.

Answer: B

Question No : 8 - (Topic 1)

You plan to create an application for your company. The application will run automated routines and write the results to a text-based log file. Little or no user interaction is required.

Security requirements on the host computers prevent you from running applications on startup, and users must be able to see the status easily on the screen. The host computers also have limited memory and monitors that display only two colors. These computers will have no network connectivity.

Which type of application should you use for this environment?

A. Directx
B. Windows Service
C. console-based
D. Windows Store app

Answer: C

Explanation: Building Console Applications

Applications in the .NET Framework can use the System.Console class to read characters from and write characters to the console. Data from the console is read from the standard input stream, data to the console is written to the standard output stream, and error data to the console is written to the standard error output stream.

Question No : 9 - (Topic 1)

You are creating a variable for an application.

You need to store data that has the following characteristics in this variable:

    ✎ Consists of numbers and characters
    ✎ Includes numbers that have decimal points

Which data type should you use?

A. String
B. Float
C. Char
D. Decimal

Answer: A

Explanation: Need a string to store characters.

Question No : 10 - (Topic 1)

Simulating the final design of an application in order to ensure that the development is progressing as expected is referred to as:

A. Analyzing requirements
B. Prototyping
C. Software testing
D. Flowcharting

Answer: C

Question No : 11 HOTSPOT - (Topic 1)

You are reviewing the following code that saves uploaded images.

```csharp
struct ImageInfo
{
  public byte[] Data;
  public int Length;
  public Guid Id;
}

void Post()
{
  var uploaded = PostedImage();
  var newImage = new ImageInfo();
  newImage.Data = uploaded;
  newImage.Length = uploaded.Length;
  newImage.Id = Guid.NewGuid();
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

Description of Behavior	Yes	No
The bytes that comprise the image are stored on the stack	○	○
The length of the image data is stored on the heap.	○	○
The Id of the image is stored on the stack.	○	○

Answer:

Answer Area

Description of Behavior	Yes	No
The bytes that comprise the image are stored on the stack	○	**◉**
The length of the image data is stored on the heap.	○	**◉**
The Id of the image is stored on the stack.	**◉**	○

Question No : 12 - (Topic 1)

You are creating the necessary variables for an application. The data you will store in these variables has the following characteristics:

- Consists of numbers
- Includes numbers that have decimal points
- Requires more than seven digits of precision

You need to use a data type that will minimize the amount of memory that is used.

Which data type should you use?

A. decimal
B. double
C. byte
D. float

Answer: B

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

Precision: 15-16 digits