98-361^{Q&As}

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Software Development Fundamentals

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QUESTION 1

You are creating an application that presents the user with a Windows Form. Which event is triggered each time the Windows Form receives focus?

A. Eriter

B. Paint

C. Load

D. Activated

Correct Answer: A

QUESTION 2

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

Hot Area:

Answer Area

Test Behavior	Yes	No
The primary goal cf unit testing is tc take the smallest piece of testable software in the application, isolate it from the remainder of the code, anc determine whether it behaves exactly as expected.	○	○
In unit testing, each unit is tested separately before integrating the unis into modules to test the interfaces between modules.	○	○
The driver that you use in unit testing simulates a calling unit and the stub simulates a called unit.	○	○

Hot Area:

Answer Area

Test Behavior	Yes	No
The primary goal of unit testing is to take the smallest piece of testable software in the application, isolate it from the remainder of the code, and determine whether it behaves exactly as expected.	◯	◯
In unit testing, each unit is tested separately before integrating the units into modules to test the interfaces between modules.	◯	◯
The driver that you use in unit testing simulates a calling unit and the stub simulates a called unit.	◯	◯

Correct Answer:

Answer Area

Test Behavior	Yes	No
The primary goal of unit testing is to take the smallest piece of testable software in the application, isolate it from the remainder of the code, and determine whether it behaves exactly as expected.	◉	◯
In unit testing, each unit is tested separately before integrating the units into modules to test the interfaces between modules.	◉	◯
The driver that you use in unit testing simulates a calling unit and the stub simulates a called unit.	◉	◯

QUESTION 3

You are developing a web application.

You need to create the following graphic by using Cascading Style Sheets (CSS):

Use the drop-down menus to select the answer choice that completes each statement. Each correct selection is worth one point.

Hot Area:

Answer Area

For the CSS Style background-image, you should use the value [answer choice]

linear-gradient(to top, green, black)
linear-gradient(to bottom, green, black);
radial-gradient(green, black);
repeating-linear-gradient(green, black);

For the CSS Style border-radius, you should use the value [answer choice]

10px;
10px, 10px, 10px;
inherit;
initial;

Hot Area:

Answer Area

For the CSS Style background-image, you should use the value [answer choice]

linear-gradient(to top, green, black)
linear-gradient(to bottom, green, black);
radial-gradient(green, black);
repeating-linear-gradient(green, black);

For the CSS Style border-radius, you should use the value [answer choice]

10px;
10px, 10px, 10px;
inherit;
initial;

Correct Answer:

Answer Area

For the CSS Style background-image, you should use the value [answer choice]

linear-gradient(to top, green, black)
linear-gradient(to bottom, green, black);
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repeating-linear-gradient(green, black);

For the CSS Style border-radius, you should use the value [answer choice]

10px;
10px, 10px, 10p;;
inherit;
initial;

QUESTION 4

You are reviewing a design for a database. A portion of this design is shown in the exhibit. Note that you may choose to view either the Crow\\'s Foot Notation or Chen Notation version of the design. (To view the Crow\\'s Foot Notation, click the Exhibit A button. To view the Chen Notation, click the Exhibit B button.)

Exhibit A

Customer ——< Order

Exhibit B

Customer —1— Placed —N— Order

Which term is used to describe the relationship between Customer and Order?

A. many-to-many

B. multi-dimensional

C. one-to-many

D. one-to-one

E. one-dimensional

Correct Answer: D

QUESTION 5

In which order do the typical phases of the Software Development Life Cycle occur?

A. Requirements gathering, design, development, and testing

B. Development, design, requirements gathering, and testing

C. Design, requirements gathering, development, and testing

D. Design, development, requirements gathering, and testing

Correct Answer: A

QUESTION 6

This question requires that you evaluate the underlined text to determine if it is correct.

Converting a value type to a reference type in an object is called boxing.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

A. No change is needed

B. unboxing

C. interfacing

D. mapping

Correct Answer: A

QUESTION 7

A table named Student has columns named ID, Name, and Age. An index has been created on the ID column. What advantage does this index provide?

A. It reorders the records alphabetically.

B. It speeds up query execution.

C. It minimizes storage requirements.

D. It reorders the records numerically.

Correct Answer: B

Faster to access an index table.

QUESTION 8

The purpose of a constructor in a class is to:

A. Initialize an object of that class.

B. Release the resources that the class holds.

C. Create a value type.

D. Inherit from the base class.

Correct Answer: A

Each value type has an implicit default constructor that initializes the default value of that type.

QUESTION 9

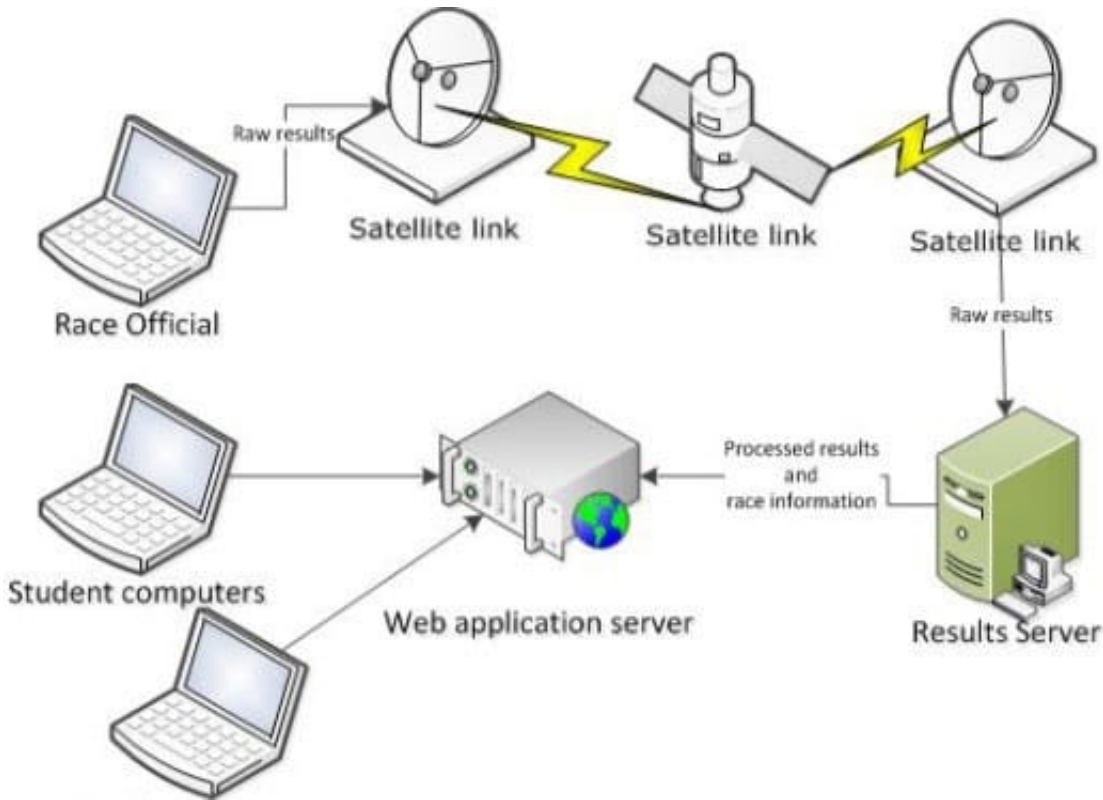Which function does Simple Object Access Protocol (SOAP) provide when using Web services?

A. communications protocol

B. model for describing Web services

C. directory of registered Web services

D. security model

Correct Answer: A

SOAP, originally defined as Simple Object Access Protocol, is a protocol specification for exchanging structured information in the implementation of web services in computer networks. It relies on XML Information Set for its message format, and usually relies on other application layer protocols, most notably Hypertext Transfer Protocol (HTTP) or Simple Mail Transfer Protocol (SMTP), for message negotiation and transmission.

QUESTION 10

You are reviewing the architecture for a system that allows race officials to enter the results of 5K race results. The results are then made available to students using a web application. The architecture is shown below:

Use the drop-down menus to select the answer choice that answers each question. Each correct selection is worth one point.

Hot Area:

Answer Area

To minimize the time between when a race official records the results and when the results are available on the web, which part of the system is critical?

satellite ink
student computer
race official computer
web application server

To increase the number of students that can access race results, what element should be added to the system?

satellite link
race officials
results servers
web application servers

Hot Area:

Answer Area

To minimize the time between when a race official records the results and when the results are available on the web, which part of the system is critical?

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To increase the number of students that can access race results, what element should be added to the system?

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Correct Answer:

Answer Area

To minimize the time between when a race official records the results and when the results are available on the web, which part of the system is critical?

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To increase the number of students that can access race results, what element should be added to the system?

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race officials
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QUESTION 11

The elements of an array must be accessed by:

A. Calling the item that was most recently inserted into the array.

B. Using a first-in, last-out (FILO) process.

C. Using an integer index.

D. Calling the last item in the memory array.

Correct Answer: C

QUESTION 12

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.

Decimal

B.

Char

C.

String

D.

Single

Correct Answer: C

Need a string to store characters.

QUESTION 13

You are developing an application that tracks tennis matches. A match is represented by the following class:

```
Public Class Match
  Public Property Location As String
  Public Property MatchDate As Date?

  Public Sub New()
    Location = "unknown"
  End Sub

End Class
```

A match is created by using the following code:

```
Dim match = New Match With
 {.Location = "north region",
 .MatchDate = New DateTime(2013, 4, 14)}
```

How many times is the Location property on the newly created Match class assigned?

A. 0

B. 1

C. 2

D. 3

Correct Answer: C

QUESTION 14

You have a class named Glass that inherits from a base class named Window. The Window class includes a protected method named break().

How should you call the Glass class implementation of the breakO method?

A. Glass.break()

B. Window.break()

C. Me.break()

D. MyBase.break()

Correct Answer: B

QUESTION 15

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

Correct Answer: A

Need a string to store characters.

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