

## 98-361 Dumps

# Microsoft MTA Software Development Fundamentals

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**NEW QUESTION 1**

- (Topic 1)

In your student directory database, the Students table contains the following fields:

firstName lastName emailAddress telephoneNumtoer

You need to retrieve the data from the firstName, lastName, and emailAddress fields for all students listed in the directory. The results must be in alphabetical order according to lastName and then firstName.

Which statement should you use?

- ☐ A. 

```
SELECT firstName, lastName, emailAddress
FROM Students
ORDER BY lastName, firstName
```
- ☐ B. 

```
SELECT firstName, lastName, emailAddress
FROM Students
SORT BY lastName, firstName
```
- ☐ C. 

```
SELECT firstName, lastName
FROM Students
ORDER BY lastName, firstName, emailAddress
```
- ☐ D. 

```
SELECT firstName, lastName, emailAddress
FROM Students BY lastName, firstName
```

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

**Answer:** A

**Explanation:**

to sort use: ORDER BY LastName, FirstName

**NEW QUESTION 2**

- (Topic 1)

A class named Manager is derived from a parent class named Employee. The Manager class includes characteristics that are unique to managers.

Which term is used to describe this object-oriented concept?

- A. Encapsulation  
B. Data modeling  
C. Inheritance  
D. Data hiding

**Answer:** C

**Explanation:**

Classes (but not structs) support the concept of inheritance. A class that derives from another class (the base class) automatically contains all the public, protected, and internal members of the base class except its constructors and destructors.

Incorrect:

not A: Encapsulation is sometimes referred to as the first pillar or principle of object- oriented programming. According to the principle of encapsulation, a class or struct can specify how accessible each of its members is to code outside of the class or struct. Methods and variables that are not intended to be used from outside of the class or assembly can be hidden to limit the potential for coding errors or malicious exploits.

**NEW QUESTION 3**

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
Within an XHTML document, the XHTML DOCTYPE declaration is mandatory.	<input type="radio"/>	<input type="radio"/>
Within an XHTML document, the XML namespace attribute in the html tag is mandatory.	<input type="radio"/>	<input type="radio"/>
Within an XHTML document, the html, head, title, and body tags are mandatory.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

### Answer Area

Statement	Yes	No
Within an XHTML document, the XHTML DOCTYPE declaration is mandatory.	<input checked="" type="radio"/>	<input type="radio"/>
Within an XHTML document, the XML namespace attribute in the html tag is mandatory.	<input checked="" type="radio"/>	<input type="radio"/>
Within an XHTML document, the html, head, title, and body tags are mandatory.	<input checked="" type="radio"/>	<input type="radio"/>

### NEW QUESTION 4

- (Topic 1)

You have a class with a property.

You need to ensure that consumers of the class can write to the value of the property. Which keyword should you use?

- A. value  
B. add  
C. get  
D. set

Answer: D

Explanation:

Set:

The set { } implementation receives the implicit argument "value." This is the value to which the property is assigned.

\* Property. On a class, a property gets and sets values. A simplified syntax form, properties are implemented in the IL as methods (get, set).

### NEW QUESTION 5

- (Topic 1)

This question requires that you evaluate the underlined text to determine if it is correct. Converting an object to a more general type is called upcasting.

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. downcasting  
C. interfacing  
D. flexing

Answer: :A

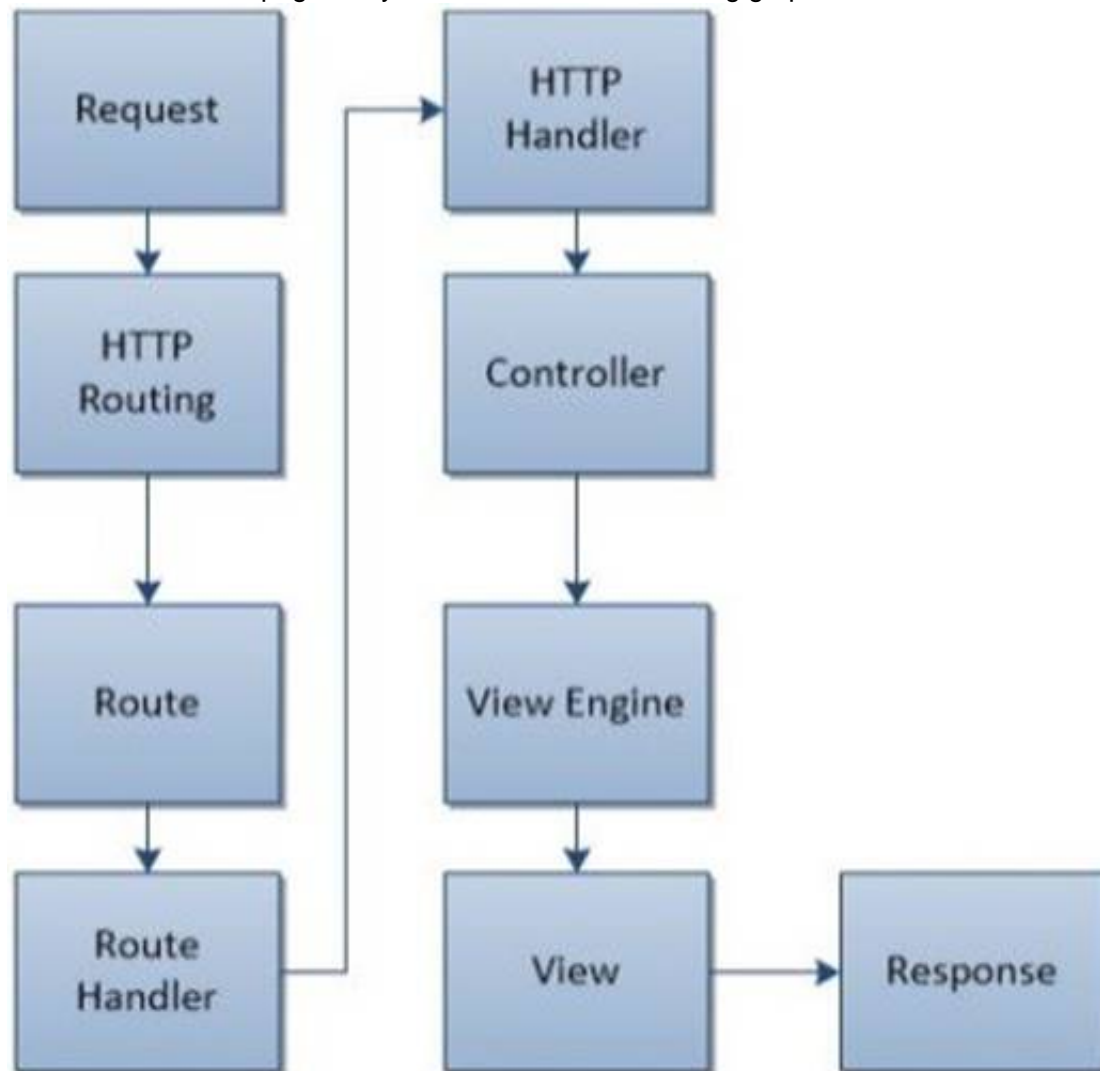
**Explanation:**

Casting up a hierarchy means casting from a derived object reference to a base object reference.

**NEW QUESTION 6**

HOTSPOT - (Topic 1)

The ASP.NET MVC page lifecycle is shown in the following graphic:



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

**Answer Area**

The [answer choice] event determines which action method is needed and then calls that method.

The URL pattern is matched during the [answer choice] event.

**Answer Area**

The [answer choice] event determines which action method is needed and then calls that method.

View  
Route  
Controller  
HTTP Handler

The URL pattern is matched during the [answer choice] event.

View  
Route  
Controller  
HTTP Handler

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

The **[answer choice]** event determines which action method is needed and then calls that method.

▼

View

Route

Controller

HTTP Handler

The URL pattern is matched during the **[answer choice]** event.

▼

View

Route

Controller

HTTP Handler

### NEW QUESTION 7

- (Topic 1)

You execute the following code.

```
bool beakerFull = true;
bool flameOn = false;
int iResult;

switch (beakerFull)
{
    case true:
        switch (flameOn)
        {
            case true:
                iResult = 1;
                break;
            case false:
                iResult = 2;
                break;
        }
        break;
    case false:
        switch (flameOn)
        {
            case false:
                iResult = 3;
                break;
            case true:
                iResult = 4;
                break;
        }
        break;
}
```

What will the variable result be?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer: B**

### NEW QUESTION 8

HOTSPOT - (Topic 1)

You are creating a Windows Store application that uses the following gesture:



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



### Answer Area

The gesture shown in the graphic is called [answer choice].

The surface displayed after the gesture has been completed is the [answer choice].

### Answer Area

The gesture shown in the graphic is called [answer choice].

  
moving  
pushing  
sliding  
swiping

The surface displayed after the gesture has been completed is the [answer choice].

  
app bar  
canvas  
charms  
context menu

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

### Answer Area

The gesture shown in the graphic is called [answer choice].

  
moving  
pushing  
sliding  
swiping

The surface displayed after the gesture has been completed is the [answer choice].

  
app bar  
canvas  
charms  
context menu

### NEW QUESTION 9

- (Topic 1)

In the life cycle of an ASP. NET Web page, which phase follows the SaveStateComplete phase?

- A.PostBack
- B. PostInit
- C. Load
- D. Render

**Answer:** D

**Explanation:**

The SaveStateComplete event is raised after the view state and control state of the page and controls on the page are saved to the persistence medium. This is the last event raised before the page is rendered to the requesting browser.

### NEW QUESTION 10

- (Topic 1)

You create an application that uses Simple Object Access Protocol (SOAP).

Which technology provides information about the application's functionality to other applications?

- A. Web Service Description Language (WSDL)
- B. Extensible Application Markup Language (XAML)
- C. Common Intermediate Language (CIL)
- D. Universal Description, Discovery, and Integration (UDDI)

**Answer:** A

**Explanation:**

WSDL is often used in combination with SOAP and an XML Schema to provide Web services over the Internet. A client program connecting to a Web service can read the WSDL file to determine what operations are available on the server. Any special datatypes used are embedded in the WSDL file in the form of XML Schema. The client can then use SOAP to actually call one of the operations listed in the WSDL file using for example XML over HTTP.

### NEW QUESTION 10

DRAG DROP - (Topic 1)

You are developing an application to display track and field race results.

The application must display the race results twice. The first time it must display only the winner and runner-up. The second time it must display all participants.

The code used to display results is shown below.

```
public void Display()
{
    // display top two
    foreach (var ranking in Rankings(true))
    {

        DisplayName(ranking);
    }

    // display all
    foreach (var ranking in Rankings(false))
    {
        DisplayName(ranking);
    }
}
```

You need to implement the Rankings() function.

Complete the function to meet the requirements. {To answer, drag the appropriate code segment from the column on the left to its location on the right. Each code segment may be used once, more than once, or not at all. Each correct match is worth one point.)

Code Segments	Answer Area
<div>break</div>	<pre>private IEnumerable&lt;string&gt; Rankings(bool top2Only) {</pre>
<div>return</div>	<div>Code Segment"John";</div>
<div>yield break</div>	<div>Code Segment"Nancy";</div>
<div>yield return</div>	<pre>if (top2Only)</pre>
	<div>Code Segment;</div>
	<div>Code Segment"Chris";</div>
	<pre>}</pre>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Code Segments	Answer Area
<div>break</div>	<pre>private IEnumerable&lt;string&gt; Rankings(bool top2Only) {</pre>
<div>return</div>	<div>yield return"John";</div>
<div>yield break</div>	<div>yield return"Nancy";</div>
<div>yield return</div>	<pre>if (top2Only)</pre>
	<div>yield break;</div>
	<div>yield return"Chris";</div>
	<pre>}</pre>

#### NEW QUESTION 11

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

Description of Behavior	Yes	No
A queue's items are stored in the order they were added.	<input type="radio"/>	<input type="radio"/>
A queue is a first in, first out (FIFO) data structure.	<input type="radio"/>	<input type="radio"/>
A queue has a limited number of items.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

Description of Behavior	Yes	No
A queue's items are stored in the order they were added.	<input checked="" type="radio"/>	<input type="radio"/>
A queue is a first in, first out (FIFO) data structure.	<input checked="" type="radio"/>	<input type="radio"/>
A queue has a limited number of items.	<input type="radio"/>	<input checked="" type="radio"/>

### NEW QUESTION 14

- (Topic 1)

How does a console-based application differ from a Windows Forms application?

- A. Console-based applications require the XNA Framework to run.  
B. Windows Forms applications do not provide a method for user input.  
C. Windows Forms applications can access network resources.  
D. Console-based applications do not display a graphical interface.

**Answer:** D

### NEW QUESTION 16

- (Topic 1)

The purpose of the Finally section in an exception handler is to:

- A. Execute code regardless of whether an exception is thrown.  
B. Conclude the execution of the application.  
C. Execute code only when an exception is thrown.  
D. Break out of the error handler.

**Answer:** A

**Explanation:**

By using a finally block, you can clean up any resources that are allocated in a try block, and you can run code even if an exception occurs in the try block. Typically, the statements of a finally block run when control leaves a try statement. The transfer of control can occur as a result of normal execution, of execution of a break, continue, goto, or return statement, or of propagation of an exception out of the try statement.

### NEW QUESTION 17

- (Topic 1)

You have a server that limits the number of data connections.

What should you use to optimize connectivity when the number of users exceeds the number of available connections?

- A. Connection timeouts



- B. Named pipes
- C. Normalization
- D. Connection pooling

**Answer:** D

**Explanation:**

In software engineering, a connection pool is a cache of database connections maintained so that the connections can be reused when future requests to the database are required.

**NEW QUESTION 22**

- (Topic 1)

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.

**Answer:** A

**Explanation:**

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

**NEW QUESTION 27**

- (Topic 1)

You are creating an application that presents users with a graphical interface. Users will run this application from remote computers. Some of the remote computers do not have the .NET Framework installed. Users do not have permissions to install software. Which type of application should you choose?

- A. Windows Forms
- B. Windows Service
- C. AS
- D. NET
- E. Console-based

**Answer:** C

**NEW QUESTION 32**

- (Topic 1)

Which type of function can a derived class override?

- A. a non-virtual public member function
- B. a private virtual function
- C. a protected virtual member function
- D. a static function

**Answer:** C

**Explanation:**

You can override virtual functions defined in a base class from the Visual Studio.

The override modifier is required to extend or modify the abstract or virtual implementation of an inherited method, property, indexer, or event.

**NEW QUESTION 37**

- (Topic 1)

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

A data dictionary that describes the structure of a database is called metadata.

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. normalization
- C. a database management system (DBMS)
- D. metacontent

**Answer:** A

**NEW QUESTION 42**

- (Topic 1)

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

**Answer:** A

**Explanation:**

Boxing is an implicit conversion of a Value Types (C# Reference) to the type object or to any interface type implemented by this value type.

**NEW QUESTION 46**

- (Topic 1)

Which three phrases are advantages of connection pooling? (Choose three.)

- A. reduces time to create a connection
- B. requires no configuration
- C. reduces load on the server
- D. improved scalability
- E. improved performance

**Answer:** ADE

**Explanation:**

E: In connection pooling, after a connection is created, it is placed in the pool and it is used over again so that a new connection does not have to be established.

D: Connection pooling often improves application performance, concurrency and scalability.

A: Connection pooling also cuts down on the amount of time a user must wait to establish a connection to the database.

**NEW QUESTION 50**

- (Topic 1)

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

Unit testing is the final set of tests that must be completed before a feature or product can be considered finished.

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. User acceptance
- C. System
- D. Integration

**Answer:** B

**Explanation:**

User acceptance testing (UAT) is the last phase of the software testing process. During UAT, actual software users test the software to make sure it can handle required tasks in real-world scenarios, according to specifications.

UAT is one of the final and critical software project procedures that must occur before newly developed software is rolled out to the market.

UAT is also known as beta testing, application testing or end user testing.

**NEW QUESTION 53**

- (Topic 1)

You need to create a property in a class. Consumers of the class must be able to read the values of the property. Consumers of the class must be prevented from writing values to the property.

Which property procedure should you include?

- A. Return
- B. Get
- C. Set
- D. Let

**Answer:** B

**NEW QUESTION 58**

- (Topic 1)

What are two possible options for representing a Web application within Internet

Information Services (IIS)? (Each correct answer presents a complete solution. Choose two. )

- A. Web site
- B. Web directory
- C. Virtual directory
- D. Application server
- E. Application directory

**Answer:** AC

**Explanation:**

\* Create a Web Application

An application is a grouping of content at the root level of a Web site or a grouping of content in a separate folder under the Web site's root directory. When you add an application in IIS 7, you designate a directory as the application root, or starting point, for the application and then specify properties specific to that particular application, such as the application pool that the application will run in.

\* You can make an Existing Virtual Directory a Web Application.

**NEW QUESTION 59**

HOTSPOT - (Topic 2)

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.	<input type="radio"/>	<input type="radio"/>
XHTML attribute values must be in quotation marks.	<input type="radio"/>	<input type="radio"/>
XHTML attribute minimization is forbidden.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

### Answer Area

Statement	Yes	No
XHTML attribute names must be in uppercase.	<input type="radio"/>	<input checked="" type="radio"/>
XHTML attribute values must be in quotation marks.	<input checked="" type="radio"/>	<input type="radio"/>
XHTML attribute minimization is forbidden.	<input checked="" type="radio"/>	<input type="radio"/>

### NEW QUESTION 61

- (Topic 2)

In this XHTML code sample, what will cause an error?

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en">
  <head>
    <title>The Title</title>
  </head>
  <body>
    <h1>This is a Heading.</h1>
    <p>This is a paragraph</p><br>
  </body>
</html>
```

- A. The line break tag is incorrectly formatted.
- B. The HTML tags do not read XHTML.
- C. The body tag is missing a background attribute.
- D. All tags are not in uppercase.

Answer: A

Explanation:

In XHTML, the <br> tag must be properly closed, like this: <br />.

### NEW QUESTION 63

DRAG DROP - (Topic 2)

You are developing an application that displays a list of race results. The race results are stored in the following class:

```
Public Class RaceSpeedRecord
    Public Faster As RaceSpeedRecord
    Public Slower As RaceSpeedRecord
    Public Race As String
    Public Time As Double
End Class
```

The code that manages the list is as follows:

```
Public Class Results
    Public CurrentOlympicRecord As RaceSpeedRecord

    Public Sub New()
        CurrentOlympicRecord = New RaceSpeedRecord()
    End Sub

    Public Sub AddRace(raceName As String, time As Double)

    End Sub
End Class
```

You need to implement the AddRace method.

Match the code segment to its location. (To answer, drag the appropriate code segment from the column on the left to its location on the right. Each code segment may be used once, more than once, or not at all. Each correct match is worth one point.)

Code Segments	Answer Area
<div>current.Faster</div>	<pre>Public Sub AddRace(raceName As String, time As Double)      Dim current = CurrentOlympicRecord      While <div>Code Segment</div> &gt; time          current = <div>Code Segment</div>      End While     Dim rsr = New RaceSpeedRecord     rsr.Race = raceName     rsr.Time = time      rsr.Faster = <div>Code Segment</div>      rsr.Slower = <div>Code Segment</div>      current.Faster.Slower = rsr     current.Slower.Faster = rsr End Sub</pre>

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Code Segments	Answer Area
<div>current.Faster</div> <div>current.Slower</div> <div>current.Time</div> <div>current.Race</div>	<pre>Public Sub AddRace(raceName As String, time As Double)      Dim current = CurrentOlympicRecord      While <div>current.Time</div> &gt; time          current = <div>current.Slower</div>      End While     Dim rsr = New RaceSpeedRecord     rsr.Race = raceName     rsr.Time = time      rsr.Faster = <div>current.Faster</div>      rsr.Slower = <div>current.Slower</div>      current.Faster.Slower = rsr     current.Slower.Faster = rsr End Sub</pre>

## NEW QUESTION 66

- (Topic 2)

How should you configure an application to consume a Web service?

- A. Add the Web service to the development computer.  
B. Add a reference to the application in the Web service.  
C. Add a reference to the Web service in the application.  
D. Add the Web service code to the application.

Answer: C

Explanation:

Start by adding a Service Reference to the project. Right-click the ConsoleApplication1 project and choose ??Add Service Reference??:

**NEW QUESTION 71**

- (Topic 2)

You need to create an application that processes data on a last-in, first-out (LIFO) basis. Which data structure should you use?

- A. Stack
- B. Array
- C. Tree
- D. Queue

**Answer:** A

**Explanation:**

A stack implements LIFO.

**NEW QUESTION 72**

- (Topic 2)

In the application life cycle, the revision of an application after it has been deployed is referred to as:

- A. Monitoring
- B. Maintenance
- C. Unit testing
- D. Integration

**Answer:** B

**NEW QUESTION 73**

- (Topic 2)

You are writing a Web application that processes room reservation requests. You need to verify that the room that a guest has selected is not already reserved by another guest.

Which type of programming should you use to determine whether the room is still available when the request is made?

- A. functional
- B. in-browser
- C. dynamic
- D. server-side

**Answer:** :D

**NEW QUESTION 75**

- (Topic 2)

This question requires that you evaluate the underlined text to determine if it is correct. A data dictionary that describes the structure of a database is called metadata.

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. normalization
- C. a database management system (DBMS)
- D. metacontent

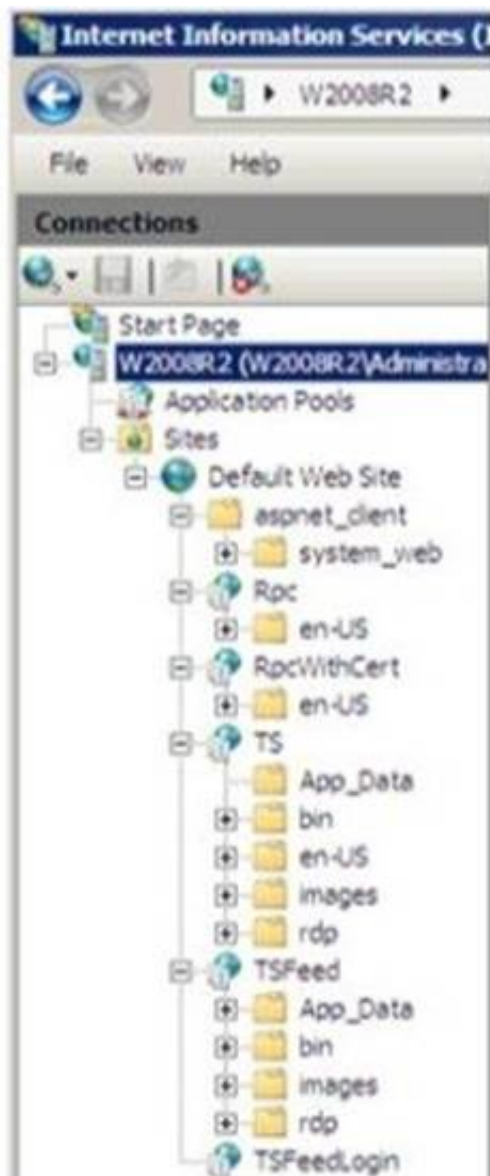
**Answer:** A

**NEW QUESTION 79**

HOTSPOT - (Topic 2)

You open the Internet Information Services 7.5 Manager console as shown in the following exhibit:





You need to examine the current configuration of the server W2008R2.

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

**Answer Area**

How many sites are configured on server W2008R2?

How many applications are configured on server W2008R2?

**Answer Area**

How many sites are configured on server W2008R2?

  
0  
1  
5  
13

How many applications are configured on server W2008R2?

  
0  
1  
5  
13

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

How many sites are configured on server W2008R2?

  
0  
1  
5  
13

How many applications are configured on server W2008R2?

  
0  
1  
5  
13

**NEW QUESTION 83**

- (Topic 2)

Which type of Windows application presents a parent window that contains child windows?

- A. Multiple-document interface (MDI)
- B. Command-line interface (CLI)
- C. Single-document interface (SDI)
- D. Application programming interface (API)

**Answer:** A

**Explanation:**

A multiple document interface (MDI) is a graphical user interface in which multiple windows reside under a single parent window. Such systems often allow child windows to embed other windows inside them as well, creating complex nested hierarchies. This contrasts with single document interfaces (SDI) where all windows are independent of each other.

**NEW QUESTION 85**

- (Topic 2)

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

**Answer:** :A

**Explanation:**

Boxing is an implicit conversion of a Value Types (C# Reference) to the type object or to any interface type implemented by this value type.

**NEW QUESTION 89**

- (Topic 2)

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

A piece of text that is 4096 bytes or smaller and is stored on and retrieved from the client computer to maintain state is known as a ViewState.

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. cookie
- C. form post
- D. QueryString

**Answer:** B

**Explanation:**

A piece of text that is 4096 bytes or smaller and is stored on and retrieved from the client computer to maintain state is known as a Cookie.

**NEW QUESTION 91**

- (Topic 2)

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

**Answer:** C

**NEW QUESTION 93**

HOTSPOT - (Topic 2)

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 "is a" relationship between classes refers to composition.	<input type="radio"/>	<input type="radio"/>
The "has a" relationship between classes refers to inheritance.	<input type="radio"/>	<input type="radio"/>
Both composition and inheritance allow you to create sub-objects.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Description of Behavior	Yes	No
The "is a" relationship between classes refers to composition.	<input type="radio"/>	<input checked="" type="radio"/>
The "has a" relationship between classes refers to inheritance.	<input type="radio"/>	<input checked="" type="radio"/>
Both composition and inheritance allow you to create sub-objects.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 96**

- (Topic 2)

You are creating a database for a student directory. The Students table contains the following fields:

```
firstName
lastName
emailAddress
telephoneNumber
```

Which statement will retrieve only the first name, last name, and telephone number for every student listed in the directory?

- A. `SELECT firstName, lastName, telephoneNumber FROM Students`
- B. `WHERE Students SELECT firstName, lastName, telephoneNumber`
- C. `WHERE Students SELECT *`
- D. `SELECT firstName, lastName, telephoneNumber IN Students`
- E. `SELECT * FROM Students`

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

**Answer:** A

**Explanation:**

Use SELECT??FROM and list the fields you want to retrieve.

**NEW QUESTION 97**

- (Topic 2)

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. device-awareness
- C. location-awareness
- D. proximity gestures

**Answer:** A

**NEW QUESTION 101**

- (Topic 2)

Which language allows you to dynamically create content on the client side?

- A. Cascading Style Sheets (CSS)
- B. JavaScript (JS)
- C. Extensible Markup Language (XML)
- D. Hypertext Markup Language (HTML)

**Answer:** B

**Explanation:**

JavaScript (JS) is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed.

**NEW QUESTION 106**

- (Topic 2)

This question requires that you evaluate the underlined text to determine if it is correct. Arguments are passed to console applications as a Hashtable object. 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. String Array
- C. StoredProcedureCollection
- D. Dictionary

**Answer:** B

**Explanation:**

Arguments are passed to console applications as a String Array object.

**NEW QUESTION 111**

- (Topic 2)

You need to group all the style settings into a separate file that can be applied to all the pages in a Web application.

What should you do?

- A. Use a Cascading Style Sheet (CSS).
- B. Use an Extensible Markup Language (XML) schema.
- C. Use inline styles.
- D. Use a WebKit.

**Answer:** A

**Explanation:**

Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a markup language.

CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts.

**NEW QUESTION 115**

- (Topic 2)

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. 1
- B. 2
- C. 3

**Answer:** C

**NEW QUESTION 119**

HOTSPOT - (Topic 2)

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**

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.	<input type="radio"/>	<input type="radio"/>
In unit testing, each unit is tested separately before integrating the units into modules to test the interfaces between modules.	<input type="radio"/>	<input type="radio"/>
The driver that you use in unit testing simulates a calling unit and the stub simulates a called unit.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**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.	<input checked="" type="radio"/>	<input type="radio"/>
In unit testing, each unit is tested separately before integrating the units into modules to test the interfaces between modules.	<input checked="" type="radio"/>	<input type="radio"/>
The driver that you use in unit testing simulates a calling unit and the stub simulates a called unit.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 123**

- (Topic 2)

You have a class named Truck that inherits from a base class named Vehicle. The Vehicle class includes a protected method named brake (). How should you call the Truck Class implementation of the brake () method?

- A. MyBase.brake ()
- B. Truck.brakef)
- C. Vehicle.brake()
- D. Me.brake ()

**Answer:** A

**Explanation:**



The MyBase keyword behaves like an object variable referring to the base class of the current instance of a class. MyBase is commonly used to access base class members that are overridden or shadowed in a derived class.

**NEW QUESTION 124**

- (Topic 2)

You are creating an ASP. NET Web application.

Which line of code should you use to require a control to process on the computer that hosts the application?

- A. runat= "server"
- B. redirect\*="HostPag
- C. htm"
- D. AutoEventWireup="true"
- E. defaultRedirect="ServerPag
- F. htm"

**Answer:** A

**NEW QUESTION 128**

- (Topic 2)

This question requires that you evaluate the underlined text to determine if it is correct. The default entry point for a console application is the Class method.

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. Main
- C. Program
- D. Object

**Answer:** B

**Explanation:**

The default entry point for a console application is the Class Main.

**NEW QUESTION 130**

- (Topic 2)

This question requires that you evaluate the underlined text to determine if it is correct. The Response.Redirect method is used to transfer processing of the current page to a new

page, and then return processing back to the calling page once processing of the new page has completed.

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. Server.Transfer method
- C. Server.Execute method
- D. meta http-equiv="refresh" tag

**Answer:** C

**Explanation:**

The Execute method calls an .asp file, and processes it as if it were part of the calling ASP script. The Execute method is similar to a procedure call in many programming languages.

Incorrect:

\* Response.Redirect Method

The Redirect method causes the browser to redirect the client to a different URL.

\* The Server.Transfer method sends all of the information that has been assembled for processing by one .asp file to a second .asp file.

**NEW QUESTION 135**

- (Topic 2)

You run the following code:

```
Dim a As Integer = 10
Dim b As Integer = 20
Dim c As Integer = 30
Dim result As Integer = 0

If a <= b Or c > a Then
    result = 10
ElseIf a <= b Or c <= a Then
    result = 20
Else
    result = 30
End If
```

What is the value of result when the code has completed?

- A. 10
- B. 20
- C. 30

**Answer:** B

**Explanation:**

The conditional-OR operator (||) performs a logical-OR of its bool operands. If the first operand evaluates to true, the second operand isn't evaluated. If the first operand evaluates to false, the second operator determines whether the OR expression as a whole evaluates to true or false.

**NEW QUESTION 140**

- (Topic 2)

You create an application that uses Simple Object Access Protocol (SOAP).

Which technology provides information about the application's functionality to other applications?

- A. Web Service Description Language (WSDL)
- B. Common Intermediate Language (CIL)
- C. Extensible Application Markup Language (XAML)
- D. Universal Description, Discovery, and Integration (UDDI)

**Answer:** A

**Explanation:**

WSDL is often used in combination with SOAP and an XML Schema to provide Web services over the Internet. A client program connecting to a Web service can read the WSDL file to determine what operations are available on the server. Any special datatypes used are embedded in the WSDL file in the form of XML Schema. The client can then use SOAP to actually call one of the operations listed in the WSDL file using for example XML over HTTP.

**NEW QUESTION 141**

HOTSPOT - (Topic 2)

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
An entity relationship diagram (ERD) is designed for an object-oriented database.	<input type="radio"/>	<input type="radio"/>
An entity relationship diagram (ERD) contains entities, relationships, and attributes.	<input type="radio"/>	<input type="radio"/>
Cardinality refers to how one table is linked to another table; as one-to-many.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Description of Behavior	Yes	No
An entity relationship diagram (ERD) is designed for an object-oriented database.	<input type="radio"/>	<input checked="" type="radio"/>
An entity relationship diagram (ERD) contains entities, relationships, and attributes.	<input checked="" type="radio"/>	<input type="radio"/>
Cardinality refers to how one table is linked to another table; as one-to-many.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 143**

- (Topic 2)

What is displayed when you attempt to access a Web service by using a Web browser?

- A. a visual depiction of your preliminary connection to the Web service
- B. a listing of methods that are available in the Web service
- C. an error page explaining that you have accessed the Web service incorrectly
- D. a directory listing of the Web services application structure

**Answer:** B

**Explanation:**

The server, in response to this request, displays the Web service's HTML description page.

The Web service's HTML description page shows you all the Web service methods supported by a particular Web service. Link to the desired Web service method and enter the necessary parameters to test the method and see the XML response.

**NEW QUESTION 148**

- (Topic 2)

An application presents the user with a graphical interface. The interface includes buttons that the user clicks to perform tasks. Each time the user clicks a button, a method is called that corresponds to that button.

Which term is used to describe this programming model?

- A. Event driven
- B. Structured
- C. Service oriented
- D. Functional

**Answer:** A

**NEW QUESTION 153**

- (Topic 2)

You have a stack that contains integer values. The values are pushed onto the stack in the following order: 2,4,6,8. The following sequence of operations is executed:

Pop  
Push 3 Pop Push 4  
Push 6  
Push 7 Pop Pop Pop

What is the value of the top element after these operations are executed?

- A. 2
- B. 3
- C. 6
- D. 7

**Answer:** B

**NEW QUESTION 157**

- (Topic 2)

Class C and Class D inherit from Class B. Class B inherits from Class A. The classes have the methods shown in the following table.

Class	Method
A	m1
B	m2
C	m3
D	m4

All methods have a protected scope.

Which methods does Class C have access to?

- A. only m1, m3
- B. only m2, m3
- C. m1, m3, m4
- D. m1, m2, m3
- E. m2, m3, m4
- F. only m3, m4

**Answer:** D

**NEW QUESTION 161**

- (Topic 2)

You are creating an application that presents users with a graphical interface. Users will run this application from remote computers. Some of the remote computers do not have the

. NET Framework installed. Users do not have permissions to install software. Which type of application should you choose?

- A. Console-based
- B. AS
- C. NET
- D. Windows Service
- E. Windows Forms

**Answer:** B

**NEW QUESTION 163**

- (Topic 2)

Which three items are benefits of encapsulation? (Choose three.)

- A. restricted access
- B. flexibility
- C. maintainability
- D. performance
- E. inheritance

**Answer:** ABC

**Explanation:**

Encapsulation is the packing of data and functions into a single component. In programming languages, encapsulation is used to refer to one of two related but distinct notions, and sometimes to the combination thereof:

\* A language mechanism for restricting access to some of the object's components.

\* A language construct that facilitates the bundling of data with the methods (or other functions) operating on that data.

Incorrect:

not E: Encapsulation is one of the four fundamental OOP concepts. The other three are inheritance, polymorphism, and abstraction.

**NEW QUESTION 164**

HOTSPOT - (Topic 2)

You are reviewing the following code that saves uploaded images.

```
Public Structure ImageInfo
    Public Data As Byte()
    Public Length As Integer
    Public Id As Guid
End Structure

Public Sub Post()
    Dim uploaded = PostedImage()
    Dim newImage = New ImageInfo()
    newImage.Data = uploaded
    newImage.Length = uploaded.Length
    newImage.Id = Guid.NewGuid()
End Sub
```

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.	<input type="radio"/>	<input type="radio"/>
The length of the image data is stored on the heap.	<input type="radio"/>	<input type="radio"/>
The Id of the image is stored on the stack.	<input type="radio"/>	<input type="radio"/>

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Description of Behavior	Yes	No
The bytes that comprise the image are stored on the stack.	<input type="radio"/>	<input checked="" type="radio"/>
The length of the image data is stored on the heap.	<input type="radio"/>	<input checked="" type="radio"/>
The Id of the image is stored on the stack.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 167**

- (Topic 2)

Which service can host an ASP.NET application?

A. Remote Desktop Services

B. Internet Information Services

C. web Services

D. Cluster Services

**Answer:** :B

**Explanation:**

Using Internet Information Services (IIS) Manager, you can create a local Web site for hosting an ASP.NET Web application.

**NEW QUESTION 172**

- (Topic 2)

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 break() method?

- A. Glass.break()
- B. Window.break()
- C. Me.break()
- D. MyBase.break()

**Answer:** B

**NEW QUESTION 173**

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