



Microsoft

Exam Questions 98-361

Microsoft MTA Software Development Fundamentals

Version: Demo

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

To minimize the amount of storage used on the hard drive by an application that generates many small files, you should make the partition as small as possible.

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. file allocation table
- C. block size
- D. folder and file names

Answer: C

2. 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.

3. 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.

4. 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

5. 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. ASP. NET
- D. Console-based

Answer: C

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

Internet Information Services (IIS) must be installed on the client computers in order to run a deployed ASP.NET application.

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. computer that hosts the application
- C. computer that you plan to deploy from
- D. Application Layer Gateway Service

Answer: B

Explanation: Internet Information Services (IIS) must be installed on computer that hosts the application in order to run a deployed ASP.NET application.

7. You need to debug a Windows Service application by using breakpoints. What should you do?

- A. Write all events to an event log.
- B. Set the Windows Service status to Paused.
- C. Implement the Console.WriteLine method throughout the Windows Service.
- D. Use the Attach to Process menu in Microsoft Visual Studio.

Answer: D

Explanation: * Because a service must be run from within the context of the Services Control Manager rather than from within Visual Studio, debugging a service is not as straightforward as debugging other Visual Studio application types. To debug a service, you must start the service and then attach a debugger to the process in which it is running.

* To debug a service Install your service.

Start your service, either from Services Control Manager, Server Explorer, or from code. In Visual Studio, choose Attach to Process from the Debug menu.

Etc.

8. 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.

9. HOTSPOT

You have a base class named Tree with a friend property named color and a protected property named NumberOfLeaves. In the same project, you also have a class named Person.

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
Methods in the Person class can access the color property.	<input type="radio"/>	<input type="radio"/>
Methods in the Person class can access the NumberOfLeaves property.	<input type="radio"/>	<input type="radio"/>
Methods in the Tree class can access all private properties in Person.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Description of Behavior	Yes	No
Methods in the Person class can access the color property.	<input checked="" type="radio"/>	<input type="radio"/>
Methods in the Person class can access the NumberOfLeaves property.	<input type="radio"/>	<input checked="" type="radio"/>
Methods in the Tree class can access all private properties in Person.	<input type="radio"/>	<input checked="" type="radio"/>

10. The purpose of the Catch section in an exception handler is to:

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

Answer: C

11. HOTSPOT

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-m any.	<input type="radio"/>	<input type="radio"/>

Answer:

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-m any.	<input checked="" type="radio"/>	<input type="radio"/>

12. When a web service is referenced from a client application in Microsoft Visual Studio, which two items are created? (Choose two.)

- A. a stub
- B. a.wsdl file
- C. a proxy
- D. a .disco file

Answer: B,D

Explanation: A .wsdl file that references the Web service is created, together with supporting files, such as discovery (.disco and .discomap) files, that include information about where the Web service is located.

13. You need to evaluate the following expression: $(A > B) \text{ AND } (C < D)$

What is the value of this expression if $A=3$, $B=4$, $C=4$, and $D=5$?

- A. 0
- B. 4
- C. 5
- D. False
- E. Null
- F. True

Answer: D

Explanation: $A > B$ is false.

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 break() method?

- A. Window.break();
- B. Glass.break();
- C. this.break();
- D. base.break();

Answer: A

15. 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. defaultRedirect="ServerPage. htm"
- B. redirect="HostPage. htm"
- C. AutoEventWireup="true"
- D. runat="server"

Answer: D

16. You are creating a Web application. The application will be consumed by client computers that run a variety of Web browsers.

Which term is used to describe the process of making the application available for client computers to access?

- A. Casting
- B. Deploying
- C. Hosting
- D. Virtualization

Answer: C

Explanation: You host web applications.

17. You are creating an application that accepts input and displays a response to the user. You cannot create a graphical interface for this application.

Which type of application should you create?

- A. Windows Forms
- B. Windows Service
- C. Web-based
- D. Console-based

Answer: C

18. 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.

Answer: B

Explanation: Faster to access an index table.

19. You are creating an application for a priority help desk center. The most recent call must be handled first.

Which data structure should you use?

- A. queue
- B. hashtable
- C. stack
- D. binary tree

Answer: C

Explanation: In computer science, a stack is a particular kind of abstract data type or collection in which the principal (or only) operations on the collection are the addition of an entity to the collection, known as push and removal of an entity, known as pop. The relation between the push and pop operations is such that the stack is a Last-In-First-Out (LIFO)

data structure. In a LIFO data structure, the last element added to the structure must be the first one to be removed.

20. How many parameters can a default constructor have?

- A. 0
- B. 1
- C. 2
- D. 3 or more

Answer: A

Explanation: If a class contains no instance constructor declarations, a default instance constructor is automatically provided. That default constructor simply invokes the parameterless constructor of the direct base class.

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