

Time left 0:24:17

Which of the following statement/s is/are false about constructors

- ☐ a. Have no return type not even void.
- ☐ b. The compiler will create a default constructor for a class even if you already declared a constructor(s).
- ☐ c. Used to instantiate and initialize the objects
- ☐ d. Should always have the same name as the class.

Having a `this` reference allows:

- ☐ a. an object to reference itself.
- ☐ b. a method to refer explicitly to the instance variable the object on which the method was called.
- ☐ c. All of these.
- ☐ d. a method to refer implicitly to the instance variable the object on which the method was called.

A _____ is called to initialize a new instance of a class.

- ☐ a. `new`
- ☐ b. `creator`

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10	11	12	13	14	15	16	17	18
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the object on which the method was called.

- ☐ c. All of these.
- ☐ d. a method to refer implicitly to the instance variables and other methods of the object on which the method was called.

A _____ is called to initialize a new instance of a class.

- ☐ a. new
- ☐ b. creator
- ☐ c. destructor
- ☐ d. constructor

If book class had Title property, then which of the following statements will work correctly?

- ☐ a. `Console.WriteLine(book.Title);`
- ☐ b. `book b1 = new book();`
`b1.Title = 10;`

☐ c. constructor

Question 3

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- ☐ a. `Console.WriteLine(book.Title);`
- ☐ b. `book b1 = new book();
b1.Title = 10;`
- ☐ c. `book.Title = 20;`
- ☐ d. None of the mentioned

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☒ d. constructor

Clear my choice

If book class had Title property, then which of the following statements will work correctly?

☐ a. `Console.WriteLine(book.Title);`

☐ b. `book b1 = new book();`
`b1.Title = 10;`

☐ c. `book.Title = 20;`

☐ d. None of the mentioned

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An object of a class that has a reference to another object of the same class may access all the private data and methods of that class.

Select one:

- ☐ True
- ☐ False

What will be the output of the following C# code?

```
class Program
{
    static void Main(string[] args)
```

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- ☐ b. 1000 20 100
- ☐ c. compile time error
- ☐ d. 1000 0 100

Why would the access modifier private be used instead of public?

- ☐ a. To help ensure encapsulation
- ☐ b. To help ensure abstraction
- ☐ c. To hide sensitive information
- ☐ d. To make it more complicated for accessing methods and variables

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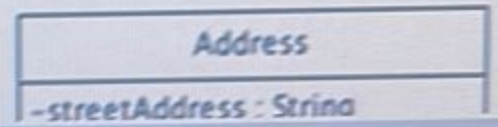
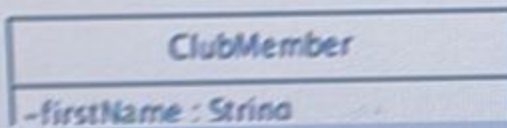
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Why do we need relationships between classes?

- ☐ a. All of the mentioned
- ☐ b. To enhance the communication between classes
- ☐ c. To increase code re-usability
- ☐ d. To use the functionality of one class into other

1. Write a C# program according to the following UML class diagram:



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☐ c. 8

8

☐ d. 8

10

The comma-separated values specified in a method call are called _____.

☐ a. parameters

☐ b. references

☐ c. arguments

☐ d. objects

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We should make it difficult, if not impossible, for a client to access an object's variables directly

Select one:

- ☐ True
- ☐ False

A static method can _____.

- ☐ a. be called using the class name and a dot (.)
- ☐ b. manipulate only static fields in the same class directly
- ☐ c. call only other static methods of the same class directly

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Select one:

- ☐ True
- ☐ False

A static method can _____.

- ☐ a. be called using the class name and a dot (.)
- ☐ b. manipulate only static fields in the same class directly
- ☐ c. call only other static methods of the same class directly
- ☐ d. All of these

Which one of the following statements declares a variable named `fox` that references an object of `Animal` class?

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Clear my choice

Which one of the following statements declares a variable named `fox` that references an object of `Animal` class?

Select one:

- ☐ a. `new Animal fox();`
- ☐ b. `Animal fox(new);`
- ☐ c. `new Animal(fox);`
- ☐ d. `Animal fox = new Animal();`

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Question 16

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What is the private visibility symbol in the UML class diagram?

- ☐ a. +
- ☐ b. -
- ☐ c. *
- ☐ d. ^

Question 17

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Every class must have at least one constructor

Select one:

- ☐ True
- ☐ False

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