

Constructor Quiz

9 out of 9 correct

1. What is true about private constructor?

- ☒ Private constructor ensures only one instance of a class exist at any point of time
- ☐ Private constructor ensures multiple instances of a class exist at any point of time
- ☐ Private constructor eases the instantiation of a class
- ☐ Private constructor allows creating objects in other classes

Explanation: Objects of private constructor can only be created within class. Private constructor is used in a singleton pattern.

2. What would be the behaviour if this() and super() were used in a method?

- ☐ Runtime error
- ☐ Throws exception
- ☒ compile time error
- ☐ Runs successfully

Explanation: this() and super() cannot be used in a method. This throws a compile time error.

3. What is false about constructor?

- ☐ Constructors cannot be synchronized in Java
- ☐ Java does not provide default copy constructor
- ☒ Constructor can have a return type

- ☐ "this" and "super" can be used in a constructor

Explanation: The constructor cannot have a return type. It should create and return new objects. Hence it would give a compilation error.

4. What is the return value of constructor in java?

- ☐ 1
- ☐ null
- ☐ void
- ☒ instance

5. Can we use access modifiers for constructors in Java?

- ☒ Yes
- ☐ No

6. The default constructor is used for

- ☐ Calling default methods
- ☒ Initializing default values to objects
- ☐ Dereferencing default objects
- ☐ All of above

7. What is not the use of "this" keyword in Java?

- ☐ Passing itself to another method
- ☐ Calling another constructor in constructor chaining
- ☐ Referring to the instance variable when local variable has the same name
- ☒ Passing itself to method of the same class

Explanation: "this" is an important keyword in java. It helps to distinguish between local variables and variables passed in the method as parameters.

8. What would be the behaviour if one parameterized constructor is explicitly defined?

- ☐ Compilation error
- ☐ Compilation succeeds
- ☐ Runtime error
- ☒ **Compilation succeeds but at the time of creating object using default constructor, it throws compilation error**

Explanation: The class compiles successfully. But the object creation of that class gives a compilation error.

9. What would be behaviour if the constructor has a return type?

- ☒ **Compilation error**
- ☐ Runtime error
- ☐ Compilation and runs successfully
- ☐ Only String return type is allowed

Explanation: The constructor cannot have a return type. It should create and return new objects. Hence it would give compilation error.

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