

1. what is a constructor?

Ans constructor is a block of code similar to the method and with the same name as class name. It is called when an instance of the class is created. At the time of calling constructor, memory for the object is allocated in the memory. It is a special type of method which is used to initialize the object.

2. what is constructor chaining?

Ans constructor chaining is the process of calling a sequence of constructors. We can do it by two ways:-

- this() keyword for chaining constructors in the same class.
- super() keyword for chaining constructor from the parent class.

3. can we call a subclass constructor from a superclass constructor?

Ans No, we can't call subclass constructor from a superclass constructor.

4. What happens if you keep a return type for a constructor?

Ans Implicitly constructor return type is the class type itself. In other words, constructor can only return the object to class. Therefore, if we keep return type it will give compilation error.

5. What is No-arg constructor?

Ans No-arg constructor is also called non-parameterized constructor. If programmer will not pass any parameter while creating object then JVM adds by default default constructor (no-arg constructor).

Class Demo

{

public Demo()

{

// No-arg constructor

}

}

6. How is a No-argument constructor different from the default constructor?

Ans If a class contains no constructor, then a default constructor with no formal parameters and no throws clause is implicitly declared.

Default constructors are sometimes called no-arg constructor since they both work the same. But no-arg constructor is created by the user while default constructor can only be created by the compiler.

7. When do we need constructor overloading?
Ans If we want to initialize an object in different ways using a different number of parameters. This can be done using constructor overloading. A constructor is called with a specific number of parameters among overloaded constructors.

8. What is default constructor.

Ans • A default constructor in Java is created automatically by the online Java compiler when the programmer doesn't create any constructor in the entire program.
• It is created to assign the default values to the instance variables of the class when an object is created.
• The access modifier of the default constructor is the same as the class modifier. (applicable to public & default).