

Java Constructor



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Constructor

- ★ What is Constructor?
 - ★ How does a constructor work?
 - ★ A simple constructor program in java?
 - ★ Types of Constructors?
 - ★ What if you implement only parameterized constructor in class?
 - ★ Use of Constructor?
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★ What is Constructor?

- ★ Constructor used to Construct Object and Initialize Variable with Default Value.

The property of the constructor :-

- ★ constructor must have the same name as the class name.
- ★ constructor has no return type.
- ★ We do not require to call the constructor manually. It automatically invokes implicitly during the Object Creation by using the new operator.

★ How does a constructor work?

- ★ The JVM calls it automatically when we create an object. When we do not provide any constructor to a Java program, the Java compiler writes the default constructor on behalf of the programmer and compiles the program. It initializes the instance variables with the default values. For example, 0 for integer, 0.0 for float, and null for String.

★ A simple constructor program in java?

★ Types of Constructors?

- ★ Parametrized Constructor

- ★ Default Constructor

★ What if you implement only parameterized constructor in class?

★ If there is any one parametrized Constructor present in a class, **Default Constructor will not be added at Compile time**. So if your program has any constructor containing parameters and no default constructor is specified then you will not be able to create object of that class using Default constructor.

★ Use of Constructor?

- ★ Reason to use constructor is that it informs about dependencies. In other words, using the constructor, we can request the user of that class for required dependencies. (Like Student Class Will not be created without RollNo and Name)

Thank you

