

Oops concept

1) How to Create an Object in Java ?

Ans:- By using a new keyword, we create an object in java. Such as "class name any reference = new class name ()".

2) What is the use of a new keyword in Java ?

Ans:- We use new keyword in java to create an object.

3) What are the different types of variables in Java?

Ans:- On the basis of type of values of the variables –

- a) Primitive variables
- b) Reference variables

Based on the behavior or position, there are 3 types of variables

- a) Instance variables
- b) Local variables
- c) Static variables

4) What is the difference between Instance variable and Local variables ?

Ans:- Instance variables –

- a) The values of the variables that varied from object to object is called instance variables.
- b) It is stored in the heap area.
- c) JVM directly gives the default values to the instance variables based on their data type.
- d) Instance variables will be created at the time of object creation and destroyed at the time of object destruction.
- e) Instance variables should be declared within the class but outside the block or method or constructor.

Local variables –

- a) For some requirements we declare the variables inside the method or block or constructor such as variables are called local variables.
- b) Local variables are stored inside the stack area.
- c) JVM won't provide default values, we should perform initialization explicitly before using local variables.

Oops concept

- d) Local variables will be created as the part of the block execution in which it is declared and destroyed after the completion of block execution.

Q.5) In which area memory is allocated for instance variable and local variable ?

Ans:- Instance variables is allocated in the heap area and local variables is allocated in the stack area.

Q.6) What is method overloading ?

Ans—Two methods are said to be overloaded if and only if both have same name but different argument values or the number of parameters.