

1. How to Create an Object in Java?

=>1.First define a class which have properties and behaviour of the object .

Use the New keyword followed by the name of the class and parentheses to create an instance of that class, which is your object ex: `class Object=new class(2);`

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

=>In java the NEW keyword is used to create objects and allocate memory for them at runtime.

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

=>1.Local variable:

Its not accessible outside that method

2.instance variable :

Belong to an instance of a class

3.Static variable :

Share among all instance and initialized once.

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

⇒ Instance variable:

Instance variables belong to an object and have class level scope. Each object has it own copy of these variable.

Local variable:

Local variable is not accessible from outside of the method.

It,s define within a method where they are declared and initialized before using.

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

=>i)for instance variable memory is allocated in the objects heap space.

Each object of the class has its own memory allocated for its instance variables when its Created.

II) For local variables is allocated on the stack. Including method parameters too.

Local variable has short life span, existing only within the scope of the method or block.

6.what is method overloading?

=>when we have multiple methods in a class which has same name and different parameters is known as method overloading.