1. How to create a object in java?

~> An Operator called “new” is used to create a object in java

Example: class student{

String name=XYZ;

int rollno=01;

public static void main(String []args) {

Test abc=new Test();

}

}

1. What is the use of new keyword in java?

~> The keyword new is used to create a object in java.

1. What are different types of variables in java?

~> There are three different types of variables in java & they are :

1.Instance variable

2.Local variable

3.Static variable

1. What is the difference between instance variable and local variable?

~>

| INSTANCE VARIABLE | LOCAL VARIABLE |
| --- | --- |
| These are the variables that are declared inside the class but outside the scope of any method. | These are the variables that are declared in methods, constructors, or blocks. |
| The instance variable is initialized at the time when an object of the class is created. |  |

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

~> In the heap Instance variables are allocated whereas Local variables are allocated in the stack.

1. What is method overloading?

~> Method overloading in java helps to use the same class name with different parameters, it might be the quantity, type of data or combination

Example :class MethodOverloading

{

public int add(int a.int b);

{

int result=a+b;

return result;

}

public int add(int a,int b,int c);

{

int result=a+b+c;

return result;

}

}

class abc

{

public static void main(String []args)

{

MethodOverloading obj=new MethodOverloading();

System.out.println(obj.add(30,20));

System.out.println(obj.add(23,45,75));

}

}