Object and Class in Java:

Object is the physical as well as logical entity whereas class is the logical entity only

Object in Java

An entity that has state and behavior is known as an object e.g. chair, bike, marker, pen, table, car etc.

For Example: Pen is an object.

* **state:** Its name is dollar, color is white etc.
* **behavior:** It is used to write, so writing is its behavior.

### Class in Java

|  |
| --- |
| A class is a group of objects that has common properties. It is a template or blueprint from which objects are created. |

A class in java can contain:

data member

method

constructor

block

class and interface

**Class syntax:**

class <class\_name>{

data member;

method;

}

class Student{

int id;//data member (also instance variable)

String name;//data member(also instance variable)

public static void main(String args[]){

Student s1=new Student();//creating an object of Student

System.out.println(s1.id);

System.out.println(s1.name);

}

}

# Class with methods:

class Student{

int rollno;

String name;

void insertRecord(int r, String n){ //method

rollno=r;

name=n;

}

void displayInformation(){System.out.println(rollno+" "+name);}//method

public static void main(String args[]){

Student s1=new Student2();

Students2=new Student2();

s1.insertRecord(111,"Ahmed");

s2.insertRecord(222,"Ali");

s1.displayInformation();

s2.displayInformation();

}

}