**Introduction to Java**

* Java is a programming language created by James Gosling from Sun Microsystems (Sun) in 1991. The target of Java is to write a program once and then run this program on multiple operating systems.

**Features of Java**

* Platform Independent
* Portable
* Object Oriented
* Exception Handling
* Automatic garbage collection

**Objected Oriented Principles**

**Encapsulation**

* It is an object oriented principle in which an object supports Data binding and Data hiding.
* Data binding is a process of binding the data with respect to an object memory address.
* Data hiding is a process of hiding the data present in one object from another object

Example:

Class Demo {

Int ival;

double dval;

public static void main (String[] args) { a10b2xhfg3

Ival=10

Dval=2.5

Demo ref=new Demo();

ref.ival=10;

ref.dval=2.5; b5yefviu56

Ival=20

Dval=3.5

Demo ref1=new Demo();

ref1.ival=20;

ref1.dval=3.5;

System.out.println(ref.ival);

System.out.println(ref1.ival);

System.out.println(ref.dval);

System.out.println(ref1.dval);

}