**Encapsulation**

Encapsulation is the packing of data and function into a single component and hiding the internal implementation

It is a achieved by hiding the data by making the variables private and showing the functionality through getter and setter methods.

By providing only setter or getter method, you can make the class read-only or write-only.

Example

**class** Encapsulation{

**private** **int** i;

**private** String str;

**void** set(**int** a, String stmt){ //setter method

i=a;

str=stmt;

}

**int** get\_i(){ //getter method

**return** i;

}

String get\_str(){ //getter method

**return** str;

}

}

**public** **class** Demo1 {

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

Encapsulation e = **new** Encapsulation();

e.set(11,"Java");

System.***out***.println("The value of i is "+e.get\_i());

System.***out***.println("The value of str is "+e.get\_str());

}

}