**Interface & Abstraction**

**Abstraction**

//abstract parent class

public abstract class Person{

//abstract method

public abstract void myJob();

}

//Teacher class extending Person class

public class Teacher extends Person {

public abstract void myJob(){

System.out.println(“My job is Teaching.”);

}}

//Painter class extending Person class

public class Painter extends Person {

public abstract void myJob(){

System.out.println(“My job is Painting.”); }}

Public static void main(String args[]){

Person obj;

obj = new Teacher();

System.out.println(“TEACHER-” + obj.myJob());

obj = new Painter();

System.out.println(“PAINTER-” + obj.myJob());

}

**Interface**

class Base

{

public void M1()

{

System.out.println(“ Base Class Method ”);

}

}

class Derived extends Base

{

public void M2()

{

System.out.printIn(“ Derived Class Methods “);

}

}

class Test

{

public static void main(String[] args)

{

Derived d = new Derived(); // creating object

d.M1(); // print Base Class Method

d.M2(); // print Derived Class Method

}

}