

//INHERITANCE

```
class Shape { int x =1;
Shape ()
{
    System.out.println("\n Base class");
}
public Shape(int x)
{
    this.x = x;
}
public void draw () {
    System.out.println ("\nCan draw any shape");
}
}
class Square extends Shape{
Square()
{
    System.out.println("\n Drived class");
}
public Square(int p)
{
    super(p);
}
public void display ()
{
    System.out.println("\nIt display Squares") ;
}
}
class Area extends Square{
Area()
{
    System.out.println("\n Multilevel class");
}
public Area(int q)
{
    super(q);
}
public void area ()
```

```

    {
        int area ;
        area = x * x ;
        System.out.println("\nArea of Square : "+area);
    }
}

class Circle extends Shape {
    Circle()
    {
        System.out.println("\nHierarical class");
    }

    public void display ()
    {
        System.out.println("\n It display circle");
        System.out.println("\n Area of a circle
: "+((22/7)*x*x));
    }
}

public class Inheritance
{
    public static void main (String[] args)
    {
        Square sq = new Square () ;
        Area A=new Area () ;
        Circle c = new Circle ();
        sq.draw();
        sq.display();
        System.out.println(sq.x);
        A.area( );
        c.display ();
    }
}

```