

## **Experiment No. 6**

### **Aim**

Program to find area of Square, Rectangle and Circle using Method Overloading.

### **Source code**

```
package java_file;

public class _6_Area {

    float pi=3.14f;

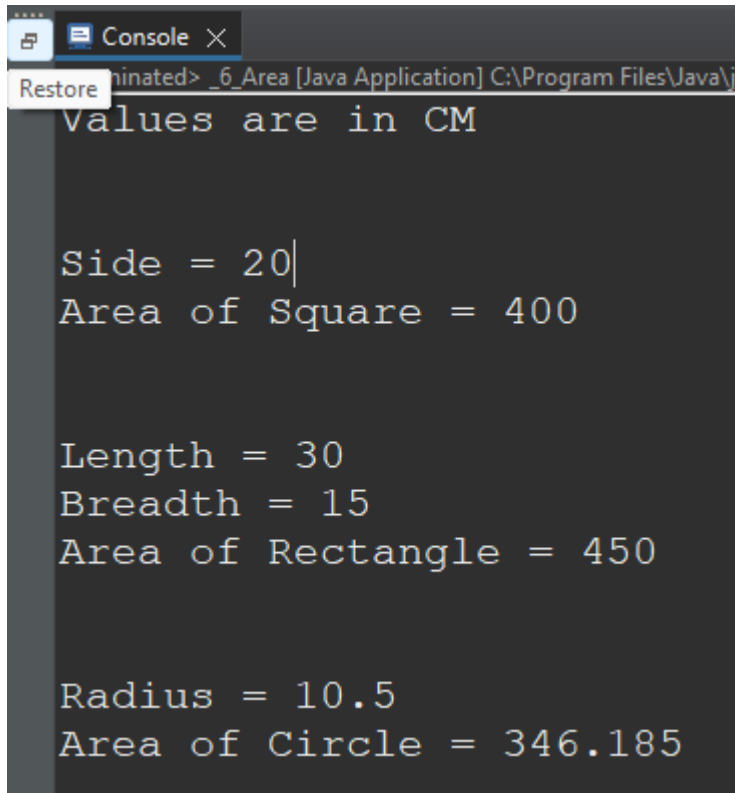
    public static void main(String args[]) {
        _6_Area myobj=new _6_Area();
        System.out.println("Values are in CM");
        System.out.println("\n\nSide = "+20);
        myobj.findArea(20);
        System.out.println("\n\nLength = 30\nBreadth = 15");
        myobj.findArea(30, 15);
        System.out.println("\n\nRadius = "+10.5f);
        myobj.findArea(10.5f);
    }

    public void findArea(int a) {
        System.out.println("Area of Square = "+(a*a));
    }

    public void findArea(int len, int wid) {
        System.out.println("Area of Rectangle = "+(len*wid));
    }
}
```

```
public void findArea(float rad) {  
    System.out.println("Area of Circle = "+(pi*rad*rad));  
}  
}
```

## Output



```
Console X  
minated> _6_Area [Java Application] C:\Program Files\Java\j  
Values are in CM  
  
Side = 20  
Area of Square = 400  
  
Length = 30  
Breadth = 15  
Area of Rectangle = 450  
  
Radius = 10.5  
Area of Circle = 346.185
```