

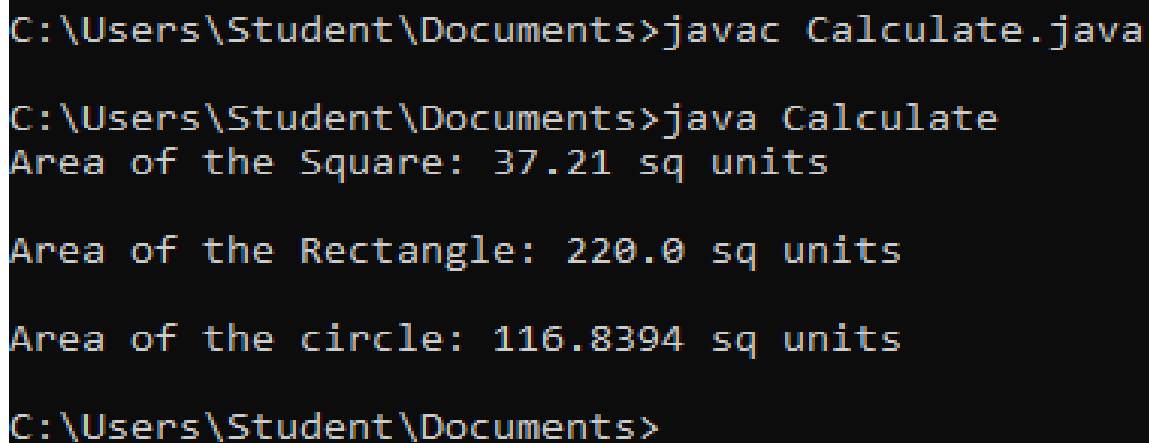
**OBJECT ORIENTED PROGRAMMING LAB****Experiment No: 10****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****Date: 17-05-2022****Aim**

Area of different shapes using overloaded functions.

**Procedure:**

```
class Calculate{
void calculateArea(float x)
{
    System.out.println("Area of the Square: "+x*x+" sq units");
    System.out.println(" ");
}
void calculateArea(float x, float y)
{
    System.out.println("Area of the Rectangle: "+x*y+" sq units");
    System.out.println(" ");
}
void calculateArea(double r)
{
    double area = 3.14*r*r;
    System.out.println("Area of the circle: "+area+" sq units");
}
public static void main(String args[]){
    Calculate obj = new Calculate();
    obj.calculateArea(6.1f);
    obj.calculateArea(10,22);
}
```

```
        obj.calculateArea(6.1);  
    }  
}
```

**Output:**

```
C:\Users\Student\Documents>javac Calculate.java  
  
C:\Users\Student\Documents>java Calculate  
Area of the Square: 37.21 sq units  
  
Area of the Rectangle: 220.0 sq units  
  
Area of the circle: 116.8394 sq units  
  
C:\Users\Student\Documents>
```