
OBJECT ORIENTED PROGRAMING LAB**Experiment No.: 6****Aim**

Area of different shapes using overloaded functions.

Source Code

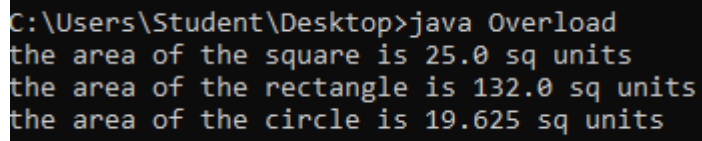
```
class OverloadDemo{
    void area(float x){
        System.out.println("the area of the square is "+Math.pow(x, 2)+" sq units");
    }
    void area(float x, float y){
        System.out.println("the area of the rectangle is "+x*y+" sq units");
    }
    void area(double x)
    {
        double z = 3.14 * x * x;
        System.out.println("the area of the circle is "+z+" sq units");
    }
}
class Overload
{
    public static void main(String args[])
    {
        OverloadDemo ob = new OverloadDemo();
        ob.area(5);
        ob.area(11,12);
        ob.area(2.5);
    }
}
```

Name : Susan Sebastian

Roll No : 45

Batch : B

Date : 22-04-2022

Output Screenshot

```
C:\Users\Student\Desktop>java Overload
the area of the square is 25.0 sq units
the area of the rectangle is 132.0 sq units
the area of the circle is 19.625 sq units
```