OBJECT ORIENTED PROGRAMING LAB

Experiment No.: 10

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Roll No : 46
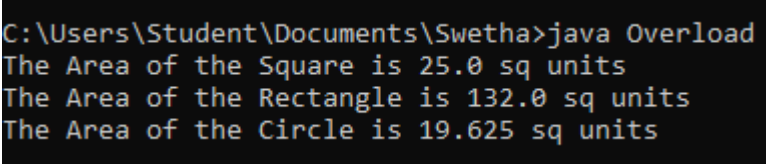
Batch : B

Date : 17-05-22

Aim

Write a program to find area of different shapes using overloaded functions.

Source Code

```
class OverloadFunction
{
   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
{
```

```java
    public static void main(String args[])

  {

    OverloadFunction ob = new OverloadFunction();

    ob.area(5);

    ob.area(11,12);

    ob.area(2.5);

    }

}
```

Output Screenshot

```
C:\Users\Student\Documents\Swetha>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
```