OBJECT ORIENTED PROGRAMMING LAB

Name: Manya Madhu

Roll No: 17

Batch: S2 RMCA B

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Experiment No: 10

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>
```