

Write a Java Program to find area of Square, Rectangle and Circle using Method Overloading

```
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");
    }
}

public class Overload
{
    public static void main(String args[])
    {
        OverloadDemo ob = new OverloadDemo();
        ob.area(5);
        ob.area(11,12);
    }
}
```

```

        ob.area(2.5);
    }
}

```

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```

1 class OverloadDemo
2 {
3     void area(float x)
4     {
5         System.out.println("the area of the square is "+Math.pow(x, 2)+" sq units");
6     }
7     void area(float x, float y)
8     {
9         System.out.println("the area of the rectangle is "+x*y+" sq units");
10    }
11    void area(double x)
12    {
13        double z = 3.14 * x * x;
14        System.out.println("the area of the circle is "+z+" sq units");
15    }
16 }
17 public class Overload
18 {
19     public static void main(String args[])
20     {
21         OverloadDemo ob = new OverloadDemo();
22         ob.area(5);
23         ob.area(11,12);
24         ob.area(2.5);
25     }
26 }

```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

☐ Interactive

Stdin Inputs

CommandLine Arguments

[Execute](#)

Result

CPU Time: 0.19 sec(s), Memory: 35700 kilobyte(s) compiled and executed in 0.8 sec(s)

```

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

```

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