

Experiements\Ex-3\MethodOverload.java

```
1  class OverloadDemo {
2
3      void area(float x) {
4          System.out.println("The area of the square is " + Math.pow(x, 2) + " sq units");
5      }
6
7      void area(float x, float y) {
8          System.out.println("The area of the rectangle is " + x * y + " sq units");
9      }
10
11     void area(double x) {
12         double z = 3.14 * x * x;
13         System.out.println("The area of the circle is " + z + " sq units");
14     }
15 }
16
17 public class MethodOverload {
18
19     public static void main(String[] args) {
20         OverloadDemo ob = new OverloadDemo();
21
22         ob.area(5);
23         ob.area(11, 12);
24         ob.area(2.5);
25     }
26 }
27
28
29
30 /*
31
32 Output:-
33
34 The area of the square is 25.0 sq units
35 The area of the rectangle is 132.0 sq units
36 The area of the circle is 19.625 sq units
37
38 */
```