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1/*AIM: Write a program to find area of Rectangle,
2package pkg3;
3import java.util.Scanner;
4class area{
5    double result1,result2,result3;
6    Scanner sc=new Scanner("System.in");
7    //method for rectangle
8    void area(int length, int breadth) {
9        result1=(length*breadth);
10    }
11    //method for triangle
12    void area(double height,double base) {
13        result2=(height*base)/2;
14    }
15    //method for circle
16    void area(int radius) {
17        result3=(3.14*radius*radius);
18    }
19    void display1() {
20        System.out.println("The area of the Rectangle is:"+result1);
21    }
22    void display2() {
23        System.out.println("The area of the Triangle is:"+result2);
24    }
25    void display3() {
26        System.out.println("The area of the Circle is:"+result3);
27    }
28}
29public class RectangleTriangleCircleMethodOverload {
30    public static void main(String[] args) {
31        System.out.println("~A PROJECT BY KASHISH GUPTA");
32        Scanner sc=new Scanner(System.in);
33        int length,breadth,radius;
34        double height,base;
35        System.out.println("Start the program:");
36        area obj1=new area();
37        System.out.println("Enter the length:");
38        length=sc.nextInt();
39        System.out.println("Enter the breadth:");
40        breadth=sc.nextInt();
41        obj1.area(length,breadth);
42        obj1.display1();
43        area obj2=new area();
44        System.out.println("Enter the height:");
45        height=sc.nextDouble();
46        System.out.println("Enter the base:");
47        base=sc.nextDouble();
48        obj2.area(height,base);
49        obj2.display2();
50        area obj3=new area();
51        System.out.println("Enter the radius:");
52        radius=sc.nextInt();
53        obj3.area(radius);
54        obj3.display3();
55    }
56}
57
```