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1  /* PRACTICAL-12: Write a program in Java to demonstrate implementation of multiple inheritance using interfaces.
2
3  Name: Angat Shah
4  Enrollment No: 202203103510097
5  Branch: B.Tech Computer Science and Engineering */
6
7  // CODE:
8
9  import java.util.Scanner;
10 interface Shape {
11     double getArea();
12 }
13 interface Color {
14     String getColor();
15 }
16
17 class Rectangle implements Shape, Color
18 {
19     private double length;
20     private double width;
21     private String color;
22
23     public Rectangle(double length, double width, String color)
24     {
25         this.length = length;
26         this.width = width;
27         this.color = color;
28     }
29
30     public double getArea() {
31         return length * width;
32     }
33     public String getColor() {
34         return color;
35     }
36 }
37
38 public class practical12
39 {
40     public static void main(String[] args)
41     {
42         Scanner input = new Scanner(System.in);
43         System.out.print("-->> Enter the Length of the Rectangle: ");
44         double l = input.nextDouble();
45         System.out.print("-->> Enter the Width of the Rectangle: ");
46         double w = input.nextDouble();
47         System.out.print("-->> Enter the Color of the Rectangle: ");
48         String c = input.next();
49         Rectangle redRectangle = new Rectangle(l, w, c);
50
51         double area = redRectangle.getArea();
52         String color = redRectangle.getColor();
53         System.out.println("Rectangle Area: " + area);
54         System.out.println("Rectangle Color: " + color);
55         input.close();
56     }
57 }
```