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package labs.lab8.pro2;

import classes.Triangle;

import java.util.Scanner;

public class Lab8_Pro2_64010009 {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        double side1, side2, side3;
        String color;
        String is_filled;

        while (true) {
            System.out.print("Input 3 sides of the triangle: ");
            side1 = scanner.nextDouble();
            side2 = scanner.nextDouble();
            side3 = scanner.nextDouble();
            if (side1 > 0 && side2 > 0 && side3 > 0) break;
            System.out.println("ERROR: invalid inputs, try again!");
        }

        System.out.print("The color is: ");
        color = scanner.next();

        while (true) {
            System.out.print("The triangle is filled (y/n): ");
            is_filled = scanner.next();
            if (is_filled.equals("y") || is_filled.equals("n")) break;
            System.out.println("ERROR: invalid input, try again!");
        }

        scanner.close();

        Triangle triangle = new Triangle(side1, side2, side3);
        triangle.setColor(color);
        triangle.setIsFilled((is_filled.equals("y")));

        System.out.println("-----");
        System.out.println(triangle);
        System.out.println("The area is " + triangle.getArea());
        System.out.println("The perimeter is " + triangle.getPerimeter());
        System.out.println("The color is " + triangle.getColor());
        System.out.println("Triangle is filled: " + triangle.isFilled());
    }
}

```