

```
1 package lab09;
2
3 public class Rectangle extends Figure {
4
5     private double height, width;
6
7     public Rectangle() {
8         super();
9         System.out.println("Rectangle: zero param.");
10        height = 0;
11        width = 0;
12    }
13
14    public Rectangle(double width, double height) {
15        super();
16        System.out.println("Rectangle: two param.");
17        this.height = height;
18        this.width = width;
19    }
20
21    public Rectangle(double width, double height, String color) {
22        super(color);
23        System.out.println("Rectangle: two param.");
24        this.height = height;
25        this.width = width;
26    }
27
28    @Override
29    public String toString(String obj) {
30        return "Rectangle "+obj+" [height=" + height + ", width=" + width + ", getPerimeter()" + getPerimeter()
31        + ", getArea()" + getArea() + ", getColor()" + getColor() + ", isFilled()" + isFilled()
32        + ", getDateCreated()" + getDateCreated() + "]\n";
33    }
34
35    @Override
36    public double getPerimeter() {
37        return 2*height + 2*width;
38    }
39
40    @Override
41    public double getArea() {
42        return width * height;
43    }
44
45    public double getHeight() {
46        return height;
47    }
48
49    public void setHeight(double height) {
50        this.height = height;
51    }
52
53    public double getWidth() {
54        return width;
55    }
56
57    public void setWidth(double width) {
58        this.width = width;
59    }
60
61
62
63
64 }
65
```