

```
1 package lab09;
2
3 import java.util.Date;
4
5 public abstract class Figure {
6
7     private String color = "WHITE";
8     private boolean filled = false;
9     private Date dateCreated;
10
11     public abstract String toString(String obj);
12     public abstract double getPerimeter();
13     public abstract double getArea();
14
15     public Figure() {
16         System.out.println("Figure: zero param.");
17         color = "WHITE";
18         filled = color.equals("WHITE") ? false : true;
19         this.dateCreated = new Date();
20     }
21
22     public Figure(String color) {
23         System.out.println("Figure: one param.");
24         this.color = color.toUpperCase();
25         filled = color.equals("WHITE") ? false : true;
26         this.dateCreated = new Date();
27     }
28
29     public String getColor() {
30         return color;
31     }
32
33     public void setColor(String color) {
34         this.color = color;
35     }
36
37     public boolean isFilled() {
38         return filled;
39     }
40
41     public void setFilled(boolean filled) {
42         this.filled = filled;
43     }
44
45     public Date getDateCreated() {
46         return dateCreated;
47     }
48
49     public void setDateCreated(Date dateCreated) {
50         this.dateCreated = dateCreated;
51     }
52
53
54
55 }
56
```