





~/Downloads/LineArt(3).java

```
1 import java.awt.*;
2 import java.applet.*;
3 import java.util.Random;
4 public class LineArt extends Applet {
5     Random random = new Random();
6     public Color getRandomColor() {
7         int r = random.nextInt(256);
8         int g = random.nextInt(256);
9         int b = random.nextInt(256);
10        return new Color(r, g, b);
11    }
12    public void paint(Graphics g) {
13        int width = 980;
14        int height = 630;
15        // Draw outer rectangle
16        g.drawRect(10, 10, width, height);
17
18        // Draw bottom-left corner
19        int xstart = 10;
20        int ystart = 10;
21        int a = 24;
22        int b = 640;
23        while (ystart + 9 <= height && a + 14 <= 990) {
24            g.setColor(getRandomColor());
25            g.drawLine(xstart, ystart, a, b);
26            a = a + 14;
27            ystart = ystart + 9;
28        }
29
30        // Draw bottom-right corner
31        xstart = 990;
32        ystart = 10;
33        a = 980;
34        b = 640;
35        while (ystart + 9 <= height && a - 14 >= 10) {
36            g.setColor(getRandomColor());
37            g.drawLine(xstart, ystart, a, b);
38            a = a - 14;
39            ystart = ystart + 9;
40        }
41
42        // Draw top-right corner
43        xstart = 10;
44        ystart = 10;
45        a = 990;
46        b = 10;
47        while (ystart + 9 <= height && xstart + 14 <= 990) {
```

```
48         g.setColor(getRandomColor());
49         g.drawLine(xstart, ystart, a, b);
50         xstart = xstart + 14;
51         b = b + 9;
52     }
53
54     // Draw top-left corner
55     xstart = 990;
56     ystart = 10;
57     a = 10;
58     b = 10;
59     while (ystart + 9 <= height && xstart - 14 >= 10) {
60         g.setColor(getRandomColor());
61         g.drawLine(xstart, ystart, a, b);
62         xstart = xstart - 14;
63         b = b + 9;
64     }
65
66     // Draw smaller version
67     width = 490;
68     height = 310;
69     xstart = 255;
70     ystart = 165;
71     a = 255;
72     b = 475;
73     while (ystart + 5 <= 475 && a + 8 <= 745) {
74         g.setColor(getRandomColor());
75         g.drawLine(xstart, ystart, a, b);
76         a = a + 8;
77         ystart = ystart + 5;
78     }
79
80     xstart = 745;
81     ystart = 175;
82     a = 745;
83     b = 475;
84     while (ystart + 5 <= 475 && a - 8 >= 255) {
85         g.setColor(getRandomColor());
86         g.drawLine(xstart, ystart, a, b);
87         a = a - 8;
88         ystart = ystart + 5;
89     }
90
91     xstart = 255;
92     ystart = 175;
93     a = 745;
94     b = 175;
95     while (b + 5 <= 475 && xstart + 8 <= 740) {
96         g.setColor(getRandomColor());
```

```
97         g.drawLine(xstart, ystart, a, b);
98         xstart = xstart + 8;
99         b = b + 5;
100     }
101
102     xstart = 745;
103     ystart = 175;
104     a = 255;
105     b = 175;
106     while (b + 5 <= 475 && xstart - 8 >= 255) {
107         g.setColor(getRandomColor());
108         g.drawLine(xstart, ystart, a, b);
109         xstart = xstart - 8;
110         b = b + 5;
111     }
112 }
113 }
114
```