

Figures.java

```
1      import java.awt.*;
2      import java.applet.*;

3      public class Figures extends Applet {

4          public void init () {
5              setBackground(Color.black);
6              p.addPoint(400, 340);
7              p.addPoint(500, 300);
8              p.addPoint(500, 200);
9          }

10         public void paint(Graphics g) {
11             showStatus("Several figures...");
12             linePair(g);
13             rectangles(g);
14             polygon(g);
15             oval(g);
16         }

17         private void linePair(Graphics g) {
18             g.setColor(Color.white);
19             for (int i = -2; i <= 2; i++) {
20                 g.drawLine( 50 + i, 350, pUL.x, pUL.y);
21                 g.drawLine(550 + i, 350, pUR.x, pUR.y);
22             }
23         }

24         private void rectangles(Graphics g) {
25             g.setColor(Color.green.darker().darker());
26             g.fillRect(250, 189, 150*3/19, 50*3/19);
27             g.setColor(Color.green.darker());
28             g.fillRect(195, 219, 150*6/13, 50*6/13);
29             g.setColor(Color.green);
30             g.fillRect(90, 285, 150, 50);
31         }

32         private void polygon(Graphics g) {
33             g.setColor(Color.blue);
34             g.fillPolygon(p);
35             g.drawLine(400, 340, 338, 184);
36             g.drawLine(500, 201, 338, 184);
37         }

38         private void oval(Graphics g) {
39             for (int i = 0; i < 25; i++) {
40                 g.setColor(new Color(255-2*i, 255-2*i, 0));
41                 g.fillOval(150+i, 70+i, 175-2*i, 75-2*i);
42             }
43         }

44         private final Point pUL = new Point(275, 175);
45         private final Point pUR = new Point(325, 175);
46         private final Polygon p = new Polygon();
47     }
```

Figures.java

