

```

import java.awt.*;
import java.applet.*;

public class LineArt extends Applet
{
    public void paint(Graphics g)
    {
        int width = 980;
        int height = 630;
        g.drawRect(10,10,width,height);

        Color red1 = new Color(209, 25, 99);
        Color yellow = new Color(245, 226, 17);
        Color green = new Color(17, 245, 32);
        Color teal = new Color(54, 186, 180);
        Color purple = new Color(104, 50, 168);
        Color hotpink = new Color(245, 17, 222);
        Color red2 = new Color(250, 5, 5);
        Color magenta = new Color(197, 5, 250);

        // Draw bottom-left corner
        int xcoord4 = 10;
        int ycoord4 = 10;
        while(xcoord4>=10&&ycoord4<=640) {
            g.setColor(teal);
            g.drawLine(xcoord4, 640, 10, ycoord4);
            xcoord4+=10;
            ycoord4+=10;
        }
        // Draw bottom-right corner
        int xcoord2 = 990;
        int ycoord2 = 10;

        while(xcoord2>=10&&ycoord2<=640) {
            g.setColor(green);
            g.drawLine(990, ycoord2, xcoord2, 640);
            xcoord2-=10;
            ycoord2+=10;
        }

        // Draw top-right corner
        int xcoord3 = 990;
        int ycoord3 = 640;
    }
}

```

```
while(xcoord3>=10&&ycoord3>=10) {
    g.setColor(yellow);
    g.drawLine(xcoord3, 10, 990, ycoord3);
    xcoord3-=10;
    ycoord3-=10;
}
```

// Draw top-left corner

```
int xcoord = 10;
int ycoord = 640;
```

```
while(xcoord<=980&&ycoord>=0){
    g.setColor(red1);
    g.drawLine(xcoord, 10, 10, ycoord);
    xcoord+=10;
    ycoord-=10;
}
```

// Interior Rectangle

```
int newwidth = 662;
int newheight = 318;
```

```
g.setColor(Color.black);
g.drawRect(168,168, newwidth, newheight);
```

```
int xcoord5 = 168;
int ycoord5 = 486;
while(xcoord5<830&&ycoord5>=168) {
    g.setColor(purple);
    g.drawLine(xcoord5, 168, 168, ycoord5);
    xcoord5+=10;
    ycoord5-=10;
}
```

```
int xcoord6 = 830;
int ycoord6 = 486;
while(xcoord6>=168&&ycoord6>=168) {
    g.setColor(magenta);
    g.drawLine(xcoord6, 168, 830, ycoord6);
    xcoord6-=10;
    ycoord6-=10;
}
```

```
int xcoord7 = 830;
int ycoord7 = 168;

while(xcoord7>=168&&ycoord7<=486) {
    g.setColor(red2);
    g.drawLine(830, ycoord7, xcoord7, 486);
    xcoord7-=10;
    ycoord7+=10;
}

int xcoord8 = 168;
int ycoord8 = 168;
while(xcoord8>=168&&ycoord8<=486) {
    g.setColor(hotpink);
    g.drawLine(xcoord8, 486, 168, ycoord8);
    xcoord8+=10;
    ycoord8+=10;
}
}
}
```