```xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <form xmlns="http://www.intellij.com/uidesigner/form/" version="1" bind-to-class="ColorChangerGUI">
3    <grid id="27dc6" binding="PanelMain" layout-manager="GridLayoutManager" row-count="4" column-count="4" same-size-horizontally="false" same-size-vertically="false" hgap="-1" vgap="-1">
4      <margin top="20" left="20" bottom="20" right="20"/>
5      <constraints>
6        <xy x="20" y="20" width="500" height="400"/>
7      </constraints>
8      <properties/>
9      <border type="none"/>
10     <children>
11       <component id="12deb" class="javax.swing.JLabel">
12         <constraints>
13           <grid row="1" column="0" row-span="1" col-span="3" vsize-policy="0" hsize-policy="0" anchor="8" fill="0" indent="0" use-parent-layout="false"/>
14         </constraints>
15         <properties>
16           <text value="Red"/>
17         </properties>
18       </component>
19       <component id="10b35" class="javax.swing.JLabel">
20         <constraints>
21           <grid row="2" column="0" row-span="1" col-span="2" vsize-policy="0" hsize-policy="0" anchor="8" fill="0" indent="0" use-parent-layout="false"/>
22         </constraints>
23         <properties>
24           <text value="Green"/>
25         </properties>
26       </component>
27       <component id="8ba4a" class="javax.swing.JLabel">
28         <constraints>
29           <grid row="3" column="0" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="8" fill="0" indent="0" use-parent-layout="false"/>
30         </constraints>
31         <properties>
32           <text value="Blue"/>
```

```xml
33          </properties>
34        </component>
35        <component id="cf107" class="javax.swing.JSlider" binding="SliderRed">
36          <constraints>
37            <grid row="1" column="3" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill="1" indent="0" use-parent-layout="false"/>
38          </constraints>
39          <properties>
40            <maximum value="255"/>
41          </properties>
42        </component>
43        <component id="fd131" class="javax.swing.JSlider" binding="SliderGreen">
44          <constraints>
45            <grid row="2" column="3" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill="1" indent="0" use-parent-layout="false"/>
46          </constraints>
47          <properties>
48            <maximum value="255"/>
49          </properties>
50        </component>
51        <component id="4c86a" class="javax.swing.JSlider" binding="SliderBlue">
52          <constraints>
53            <grid row="3" column="3" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill="1" indent="0" use-parent-layout="false"/>
54          </constraints>
55          <properties>
56            <maximum value="255"/>
57          </properties>
58        </component>
59        <grid id="eb82c" binding="PanelColorChanged" layout-manager="GridLayoutManager" row-count="1" column-count="1" same-size-horizontally="false" same-size-vertically="false" hgap="-1" vgap="-1">
60          <margin top="0" left="0" bottom="0" right="0"/>
61          <constraints>
62            <grid row="0" column="0" row-span="1" col-span="4" vsize-policy="3" hsize-policy="3" anchor="0" fill="3" indent="0" use-parent-layout="false"/>
63          </constraints>
```

```xml
            <properties/>
            <border type="line">
                <title-color color="-4473925"/>
                <color color="-16777216"/>
            </border>
            <children/>
        </grid>
      </children>
    </grid>
</form>
```

```java
import javax.swing.*;
import java.awt.*;

public class ColorChangerGUI extends JFrame{
    private JSlider SliderRed;
    private JSlider SliderGreen;
    private JSlider SliderBlue;
    private JPanel PanelMain;
    private JPanel PanelColorChanged;

    public ColorChangerGUI(){
        this.add(PanelMain);
        this.setSize(500,500);
        this.setTitle("Color Changer Homework");
        this.setDefaultCloseOperation(EXIT_ON_CLOSE);

        SliderRed.addChangeListener(e->{
            ChangePanelColorChange();
        });
        SliderGreen.addChangeListener(e->{
            ChangePanelColorChange();
        });
        SliderBlue.addChangeListener(e->{
            ChangePanelColorChange();
        });

    }


    public void ChangePanelColorChange(){
        int redValue = SliderRed.getValue();
        int greenValue = SliderGreen.getValue();
        int blueValue = SliderBlue.getValue();


```
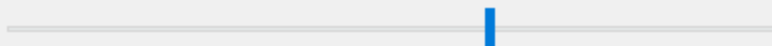
```java
37          PanelColorChanged.setBackground(new Color(redValue,greenValue,blueValue));
38      }
39
40      public static void main(String[] args){
41
42          try {
43              UIManager.setLookAndFeel(UIManager.getSystemLookAndFeelClassName());
44          } catch (ClassNotFoundException e) {
45              e.printStackTrace();
46          } catch (InstantiationException e) {
47              e.printStackTrace();
48          } catch (IllegalAccessException e) {
49              e.printStackTrace();
50          } catch (UnsupportedLookAndFeelException e) {
51              e.printStackTrace();
52          }
53
54          //Set UI Thread to another thread
55          SwingUtilities.invokeLater(() -> {
56              ColorChangerGUI gui = new ColorChangerGUI();
57              gui.setVisible(true);
58          });
59      }
60
61
62 }
63
```
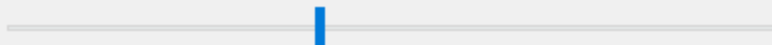
Color Changer Homework

Red

Green

Blue