

1.

```
package com.mycompany.gui1;

public class GUI1
{
    public static void main(String[] args)
    {
        JFrame c=new JFrame();
        c.show();
    }
}
```

```
package com.mycompany.gui1;

public class Color
{
    private int red;
    private int green;
    private int blue;
    public Color(int red, int green, int blue)
    {
        this.red = red;
        this.green = green;
        this.blue = blue;
    }
}
```

```
public int getRed() {  
    return red;  
}  
  
public int getGreen() {  
    return green;  
}  
  
public int getBlue() {  
    return blue;  
}  
  
public void setRed(int red) {  
    this.red = red;  
}  
  
public void setGreen(int green) {  
    this.green = green;  
}  
  
public void setBlue(int blue) {  
    this.blue = blue;  
}  
  
@Override  
public String toString() {  
    return "MyColor [red=" + red + ", green=" + green + ", blue=" + blue + "];"  
}  
}
```

```
package com.mycompany.gui1;

import java.awt.Color;

public class NewJFrame extends javax.swing.JFrame {

    public NewJFrame() {

        initComponents();

    }

    @SuppressWarnings("unchecked")

    // <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setFocusCycleRoot(true);
        jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N
        jLabel1.setText("Click to Change the Color");
        jButton1.setText("Blue");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
```

```
        public void actionPerformed(java.awt.event.ActionEvent evt) {  
            jButton1ActionPerformed(evt);  
        }  
    });  
  
    jButton2.setText("Red");  
    jButton2.addActionListener(new java.awt.event.ActionListener() {  
        public void actionPerformed(java.awt.event.ActionEvent evt) {  
            jButton2ActionPerformed(evt);  
        }  
    });  
  
    jButton3.setText("Green");  
    jButton3.addActionListener(new java.awt.event.ActionListener() {  
        public void actionPerformed(java.awt.event.ActionEvent evt) {  
            jButton3ActionPerformed(evt);  
        }  
    });  
  
    jButton4.setText("SetDefault");  
    jButton4.addActionListener(new java.awt.event.ActionListener() {  
        public void actionPerformed(java.awt.event.ActionEvent evt) {  
            jButton4ActionPerformed(evt);  
        }  
    });  
  
    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);  
    jPanel1.setLayout(jPanel1Layout);
```

```

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup())

.addGap(141, 141, 141)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())

.addContainerGap(76, Short.MAX_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 255,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGap(68, 68, 68))
);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup())

.addContainerGap()

```

```
.addComponent(jLabel1)

.addGap(18, 18, 18)

.addComponent(jButton1)

.addGap(42, 42, 42)

.addComponent(jButton2)

.addGap(49, 49, 49)

.addComponent(jButton3)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 57,
Short.MAX_VALUE)

.addComponent(jButton4)

.addGap(52, 52, 52))

);
```

```
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);

layout.setHorizontalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

);

layout.setVerticalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

);
```

```

        pack();

    } // </editor-fold> // GEN-END: initComponents

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jButton1ActionPerformed

        // TODO add your handling code here:

        jPanel1.setBackground(Color.blue);

    } // GEN-LAST:event_jButton1ActionPerformed

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jButton2ActionPerformed

        // TODO add your handling code here:

        jPanel1.setBackground(Color.RED);

    } // GEN-LAST:event_jButton2ActionPerformed

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jButton3ActionPerformed

        // TODO add your handling code here:

        jPanel1.setBackground(Color.GREEN);

    } // GEN-LAST:event_jButton3ActionPerformed

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jButton4ActionPerformed

        // TODO add your handling code here:

        jPanel1.setBackground(Color.white);

    } // GEN-LAST:event_jButton4ActionPerformed

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

```

```

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
   * For details see
   * http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
   */

try {

    for (javax.swing.UIManager.LookAndFeelInfo info :
        javax.swing.UIManager.getInstalledLookAndFeels()) {

        if ("Nimbus".equals(info.getName())) {

            javax.swing.UIManager.setLookAndFeel(info.getClassName());

            break;

        }

    }

} catch (ClassNotFoundException ex) {

    java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

    java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

    java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

```



```
java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
}
```

```
//</editor-fold>
```

```
/* Create and display the form */
```

```
java.awt.EventQueue.invokeLater(new Runnable() {
```

```
    public void run() {
```

```
        new NewJFrame().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JButton jButton1;
```

```
private javax.swing.JButton jButton2;
```

```
private javax.swing.JButton jButton3;
```

```
private javax.swing.JButton jButton4;
```

```
private javax.swing.JLabel jLabel1;
```

```
private javax.swing.JPanel jPanel1;
```

```
// End of variables declaration//GEN-END:variables
```

```
}
```