```
/*BackGround Colour Change Gui

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 * and open the template in the editor.

 */

package guijava;


import java.awt.Color;


/**
 *
 * @author Lab User
 */
public class Gui7_20 extends javax.swing.JFrame {


  /**
   * Creates new form Gui7_20
   */
  public Gui7_20() {

    initComponents();

  }


  /**
   * This method is called from within the constructor to initialize the form.
```

```java
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jButton2 = new javax.swing.JButton();
    jButton1 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jButton2.setFont(new java.awt.Font("Segoe Print", 1, 24)); // NOI18N
    jButton2.setForeground(new java.awt.Color(0, 0, 255));
    jButton2.setText("Blue");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    jButton1.setFont(new java.awt.Font("Segoe Print", 1, 24)); // NOI18N
    jButton1.setForeground(new java.awt.Color(255, 0, 0));
    jButton1.setText("Red");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
```

```java
        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton1ActionPerformed(evt);

        }

    });



    jButton3.setFont(new java.awt.Font("Segoe Print", 1, 24)); // NOI18N

    jButton3.setForeground(new java.awt.Color(0, 255, 0));

    jButton3.setText("Green");

    jButton3.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton3ActionPerformed(evt);

        }

    });



    jButton4.setFont(new java.awt.Font("DialogInput", 0, 36)); // NOI18N

    jButton4.setText("Set Default");

    jButton4.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            jButton4ActionPerformed(evt);

        }

    });



    jLabel1.setFont(new java.awt.Font("OCR A Extended", 1, 36)); // NOI18N

    jLabel1.setText("Click to change the color...");



    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(33, 33, 33)

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

            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

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

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

              .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 229,
javax.swing.GroupLayout.PREFERRED_SIZE)

              .addGap(71, 71, 71)

              .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 232,
javax.swing.GroupLayout.PREFERRED_SIZE)

              .addGap(63, 63, 63)

              .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE, 240,
Short.MAX_VALUE)))

          .addGap(29, 29, 29))
    );
    jPanel1Layout.setVerticalGroup(
      jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

      .addGroup(jPanel1Layout.createSequentialGroup()

        .addGap(33, 33, 33)

        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 272,
Short.MAX_VALUE)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

          .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 107,
javax.swing.GroupLayout.PREFERRED_SIZE)

          .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 105,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 107,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(10, 10, 10)
            .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 136,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(32, 32, 32))
    );


    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>


private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    jPanel1.setBackground(Color.blue);
    jButton2.setBackground(Color.black);
    jButton1.setBackground(Color.white);
    jButton3.setBackground(Color.white);
}
```

```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    jPanel1.setBackground(Color.red);

    jButton1.setBackground(Color.black);

    jButton2.setBackground(Color.white);

    jButton3.setBackground(Color.white);

}


private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

    jPanel1.setBackground(Color.green);

    jButton3.setBackground(Color.black);

    jButton2.setBackground(Color.white);

    jButton1.setBackground(Color.white);

}


private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

    jPanel1.setBackground(null);

    jButton3.setBackground(Color.white);

    jButton2.setBackground(Color.white);

    jButton1.setBackground(Color.white);


}


/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

    /* Set the Nimbus look and feel */

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

```java
    /* 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(Gui7_20.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(Gui7_20.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(Gui7_20.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(Gui7_20.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 Gui7_20().setVisible(true);
```

```java
        }

    });

  }


    // Variables declaration - do not modify

    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
}
```

```java
/*Click Counter

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 * and open the template in the editor.

 */
package guijava;


/**

 *

 * @author Lab User

 */
```

```java
public class Counter extends javax.swing.JFrame {

    /**
     * Creates new form Counter
     */
    public Counter() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jButton1.setFont(new java.awt.Font("Source Code Pro Light", 1, 24)); // NOI18N
        jButton1.setText("ClickMe");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
```

```java
                }
        });


        jLabel1.setFont(new java.awt.Font("Harrington", 3, 24)); // NOI18N

        jLabel1.setText("No Of Counts is :");


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

        getContentPane().setLayout(layout);

        layout.setHorizontalGroup(

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

            .addGroup(layout.createSequentialGroup()

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

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

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

                        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 214,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGap(102, 102, 102))

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

                        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGap(110, 110, 110))))
        );

        layout.setVerticalGroup(

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

            .addGroup(layout.createSequentialGroup()

                .addGap(89, 89, 89)
```

```java
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 69,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(40, 40, 40)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addContainerGap(61, Short.MAX_VALUE))
    );


    pack();
}// </editor-fold>

int i=0;

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {


    i++;

    jTextField1.setText(String.valueOf(i));

}


/**
 * @param args the command line arguments
 */
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 {
```

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

        } catch (InstantiationException ex) {

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

        } catch (IllegalAccessException ex) {

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

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(Counter.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 Counter().setVisible(true);

            }

        });

    }
```

```java
    // Variables declaration - do not modify

    private javax.swing.JButton jButton1;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JTextField jTextField1;

    // End of variables declaration
}
```

```java
//Main class
package guijava;

public class GuiJava {

    public static void main(String[] args) {

        Gui7_20 g1=new Gui7_20();

        g1.show();

        Counter c1=new Counter();

        c1.show();

    }

}
```