**Color Demo Main Class**

package com.mycompany.colordemo;

public class Colordemo

{

public static void main(String[] args)

{

c\_demo C = new c\_demo();

C.show();

}

}

**Design Of The GUI**

A screenshot of a computer

Description automatically generated

**C\_demo Source Code**

package com.mycompany.colordemo;

import java.awt.Color;

public class c\_demo extends javax.swing.JFrame {

public c\_demo() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jScrollPane1 = new javax.swing.JScrollPane();

jTextPane1 = new javax.swing.JTextPane();

jMenu1 = new javax.swing.JMenu();

ColorDemo = new javax.swing.JPanel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jScrollPane1.setViewportView(jTextPane1);

jMenu1.setText("jMenu1");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

ColorDemo.setBackground(new java.awt.Color(102, 0, 102));

ColorDemo.setToolTipText("ColorDemo");

ColorDemo.setInheritsPopupMenu(true);

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("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("Segoe UI", 1, 12)); // NOI18N

jLabel1.setText("Click Here To Change The Color");

javax.swing.GroupLayout ColorDemoLayout = new javax.swing.GroupLayout(ColorDemo);

ColorDemo.setLayout(ColorDemoLayout);

ColorDemoLayout.setHorizontalGroup(

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

.addGroup(ColorDemoLayout.createSequentialGroup()

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

.addGroup(ColorDemoLayout.createSequentialGroup()

.addGap(90, 90, 90)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 203, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(ColorDemoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 203, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 203, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 203, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addGroup(ColorDemoLayout.createSequentialGroup()

.addGap(17, 17, 17)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 357, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(26, Short.MAX\_VALUE))

);

ColorDemoLayout.setVerticalGroup(

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

.addGroup(ColorDemoLayout.createSequentialGroup()

.addContainerGap(33, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32)

.addComponent(jButton1)

.addGap(29, 29, 29)

.addComponent(jButton2)

.addGap(27, 27, 27)

.addComponent(jButton3)

.addGap(28, 28, 28)

.addComponent(jButton4)

.addGap(25, 25, 25))

);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(ColorDemo, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

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

.addComponent(ColorDemo, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

ColorDemo.setBackground(Color.blue);

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

ColorDemo.setBackground(Color.red);

}

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

// TODO add your handling code here:

ColorDemo.setBackground(Color.green);

}

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

// TODO add your handling code here:

ColorDemo.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) ">

/\* 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(c\_demo.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(c\_demo.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 c\_demo().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JPanel ColorDemo;

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.JMenu jMenu1;

private javax.swing.JScrollPane jScrollPane1;

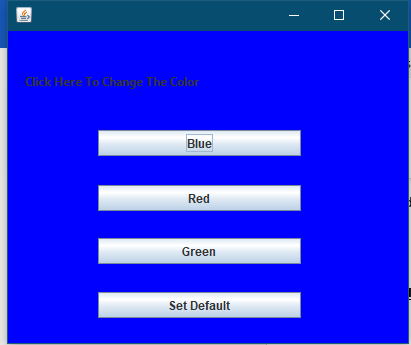
private javax.swing.JTextPane jTextPane1;

// End of variables declaration

}

**OUTPUTS**

* **When Click Blue JButton**

****

* **When Click Red JButton**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

* **When Click Green JButton**
* When Click Set Default Jbutton

