

1.

```
package com.mycompany.graphicalexample;
```

```
public class Graphicalexample {
```

```
    public static void main(String[] args)
```

```
    {
```

```
        calculator c=new calculator();
```

```
        c.show();
```

```
    }
```

```
}
```

```
package com.mycompany.graphicalexample;
```

```
public class cal
```

```
{
```

```
    private int no1,no2;
```

```
    public void setvalues (int a,int b)
```

```
    {
```

```
        no1=a;
```

```
        no2=b;
```

```
    }
```

```
    public int findtotal ()
```

```
    {
```

```
        return (no1+no2);
```

```
}  
}
```

```
package com.mycompany.graphicalexample;
```

```
public class calculator extends javax.swing.JFrame {
```

```
    public calculator() {
```

```
        initComponents();
```

```
    }
```

```
    @SuppressWarnings("unchecked")
```

```
    // <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initComponents
```

```
    private void initComponents()
```

```
        jTextField1 = new javax.swing.JTextField();
```

```
        jTextField2 = new javax.swing.JTextField();
```

```
        jLabel1 = new javax.swing.JLabel();
```

```
        jLabel2 = new javax.swing.JLabel();
```

```
        jLabel3 = new javax.swing.JLabel();
```

```
        jButton1 = new javax.swing.JButton();
```

```
        jButton2 = new javax.swing.JButton();
```

```
        jTextField3 = new javax.swing.JTextField();
```

```
        jTextField4 = new javax.swing.JTextField();
```

```
jTextField5 = new javax.swing.JTextField();

jTextField1.addActionListener(new java.awt.event.ActionListener() {

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

        jTextField1ActionPerformed(evt);

    }

});

jTextField2.setText("jTextField2");

jTextField2.addActionListener(new java.awt.event.ActionListener() {

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

        jTextField2ActionPerformed(evt);

    }

});

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setText("enter first number");

jLabel2.setText("enter second number ");

jLabel3.setText("total");

jButton1.setText("Find");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

        jButton1ActionPerformed(evt);

    }

});

jButton2.setText("Clear");

jButton2.addActionListener(new java.awt.event.ActionListener() {
```

```

    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jTextField3.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
jTextField3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField3ActionPerformed(evt);
    }
});

jTextField4.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
jTextField5.setFont(new java.awt.Font("Segoe UI", 0, 15)); // NOI18N
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);

layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(96, 96, 96)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jLabel2)
                    .addGap(96, 96, 96)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(96, 96, 96)
                        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(96, 96, 96)
                        .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(96, 96, 96)
                        .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE)
                    )
                )
            )
        )
    );

```

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

```
    .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

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

```
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,  
layout.createSequentialGroup())
```

```
        .addGap(38, 38, 38)
```

```
        .addComponent(jButton1)))
```

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

```
    .addGroup(layout.createSequentialGroup())
```

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

```
        .addComponent(jButton2)
```

```
        .addGap(55, 55, 55))
```

```
    .addGroup(layout.createSequentialGroup())
```

```
        .addGap(52, 52, 52)
```

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

```
    .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE, 71,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 71,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE, 71,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```

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

);

layout.setVerticalGroup(

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

        .addGroup(layout.createSequentialGroup()

            .addGap(53, 53, 53)

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

                .addComponent(jLabel1)

                .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(52, 52, 52)

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

                .addComponent(jLabel2)

                .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(46, 46, 46)

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

                .addComponent(jLabel3)

                .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 28,
Short.MAX_VALUE)

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

                .addComponent(jButton1)

                .addComponent(jButton2))

```

```
.addGap(23, 23, 23))

);

pack();

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

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

    // TODO add your handling code here:

} // GEN-LAST:event_jButton2ActionPerformed

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jTextField1ActionPerformed

    // TODO add your handling code here:

} // GEN-LAST:event_jTextField1ActionPerformed

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jTextField2ActionPerformed

    // TODO add your handling code here:

} // GEN-LAST:event_jTextField2ActionPerformed

private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jTextField3ActionPerformed

    // TODO add your handling code here:

} // GEN-LAST:event_jTextField3ActionPerformed
```

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

```
    // TODO add your handling code here:
```

```
    int a,b,ans;
```

```
    a= Integer.parseInt(jTextField3.getText());
```

```
    b= Integer.parseInt(jTextField4.getText());
```

```
    cal c=new cal();
```

```
    c.setvalues(a, b);
```

```
    ans=c.findtotal();
```

```
    jTextField5.setText(String.valueOf(ans));
```

```
}//GEN-LAST:event_jButton1ActionPerformed
```

```
/**
```

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

```

```

    } catch (InstantiationException ex) {

```

```

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

```

```

    } catch (IllegalAccessException ex) {

```

```

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

```

```

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

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

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

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

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

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

```
private javax.swing.JLabel jLabel2;
```

```
private javax.swing.JLabel jLabel3;
```

```
private javax.swing.JTextField jTextField1;
```

```
private javax.swing.JTextField jTextField2;
```

```
private javax.swing.JTextField jTextField3;
```

```
private javax.swing.JTextField jTextField4;
```

```
private javax.swing.JTextField jTextField5;
```

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

```
}
```