/\*

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 \*/

package com.mycompany.scientificcalc;

import static java.lang.constant.ConstantDescs.NULL;

/\*\*

 \*

 \* @author sanii

 \*/

public class calc extends javax.swing.JFrame {

    public calc() {

        initComponents();

        jRadioButton1.setEnabled(false);

    }

    double num1,num2,result;

    String opr;

    public void enable()

    {

        jTextField2.setEnabled(true);

        jRadioButton1.setEnabled(false);

        jRadioButton2.setEnabled(true);

        jButton1.setEnabled(true);

        jButton2.setEnabled(true);

        jButton3.setEnabled(true);

        jButton4.setEnabled(true);

        jButton5.setEnabled(true);

        jButton6.setEnabled(true);

        jButton7.setEnabled(true);

        jButton8.setEnabled(true);

        jButton9.setEnabled(true);

        jButton10.setEnabled(true);

        jButton11.setEnabled(true);

        jButton12.setEnabled(true);

        jButton13.setEnabled(true);

        jButton14.setEnabled(true);

        jButton15.setEnabled(true);

        jButton16.setEnabled(true);

        jButton17.setEnabled(true);

        jButton18.setEnabled(true);

        jButton19.setEnabled(true);

        jButton20.setEnabled(true);

        jButton21.setEnabled(true);

        jButton22.setEnabled(true);

        jButton23.setEnabled(true);

        jButton24.setEnabled(true);

        jButton25.setEnabled(true);

        jButton26.setEnabled(true);

        jButton27.setEnabled(true);

        jButton28.setEnabled(true);

        jButton29.setEnabled(true);

        jButton30.setEnabled(true);

        jButton31.setEnabled(true);

        jButton32.setEnabled(true);

        jButton33.setEnabled(true);

        jButton34.setEnabled(true);

        jButton35.setEnabled(true);

    }

    public void disable()

    {

        jTextField2.setEnabled(false);

        jRadioButton1.setEnabled(true);

        jRadioButton2.setEnabled(false);

        jButton1.setEnabled(false);

        jButton2.setEnabled(false);

        jButton3.setEnabled(false);

        jButton4.setEnabled(false);

        jButton5.setEnabled(false);

        jButton6.setEnabled(false);

        jButton7.setEnabled(false);

        jButton8.setEnabled(false);

        jButton9.setEnabled(false);

        jButton10.setEnabled(false);

        jButton11.setEnabled(false);

        jButton12.setEnabled(false);

        jButton13.setEnabled(false);

        jButton14.setEnabled(false);

        jButton15.setEnabled(false);

        jButton16.setEnabled(false);

        jButton17.setEnabled(false);

        jButton18.setEnabled(false);

        jButton19.setEnabled(false);

        jButton20.setEnabled(false);

        jButton21.setEnabled(false);

        jButton22.setEnabled(false);

        jButton23.setEnabled(false);

        jButton24.setEnabled(false);

        jButton25.setEnabled(false);

        jButton26.setEnabled(false);

        jButton27.setEnabled(false);

        jButton28.setEnabled(false);

        jButton29.setEnabled(false);

        jButton30.setEnabled(false);

        jButton31.setEnabled(false);

        jButton32.setEnabled(false);

        jButton33.setEnabled(false);

        jButton34.setEnabled(false);

        jButton35.setEnabled(false);

    }

    /\*\*

     \* 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">//GEN-BEGIN:initComponents

    private void initComponents() {

        buttonGroup1 = new javax.swing.ButtonGroup();

        jTextField1 = new javax.swing.JTextField();

        jTextField2 = new javax.swing.JTextField();

        jRadioButton1 = new javax.swing.JRadioButton();

        jRadioButton2 = new javax.swing.JRadioButton();

        jButton1 = new javax.swing.JButton();

        jButton2 = new javax.swing.JButton();

        jButton3 = new javax.swing.JButton();

        jButton4 = new javax.swing.JButton();

        jButton5 = new javax.swing.JButton();

        jButton6 = new javax.swing.JButton();

        jButton7 = new javax.swing.JButton();

        jButton8 = new javax.swing.JButton();

        jButton9 = new javax.swing.JButton();

        jButton10 = new javax.swing.JButton();

        jButton11 = new javax.swing.JButton();

        jButton12 = new javax.swing.JButton();

        jButton13 = new javax.swing.JButton();

        jButton14 = new javax.swing.JButton();

        jButton15 = new javax.swing.JButton();

        jButton16 = new javax.swing.JButton();

        jButton17 = new javax.swing.JButton();

        jButton18 = new javax.swing.JButton();

        jButton19 = new javax.swing.JButton();

        jButton20 = new javax.swing.JButton();

        jButton21 = new javax.swing.JButton();

        jButton22 = new javax.swing.JButton();

        jButton23 = new javax.swing.JButton();

        jButton24 = new javax.swing.JButton();

        jButton25 = new javax.swing.JButton();

        jButton26 = new javax.swing.JButton();

        jButton27 = new javax.swing.JButton();

        jButton28 = new javax.swing.JButton();

        jButton29 = new javax.swing.JButton();

        jButton30 = new javax.swing.JButton();

        jButton31 = new javax.swing.JButton();

        jButton32 = new javax.swing.JButton();

        jButton33 = new javax.swing.JButton();

        jButton34 = new javax.swing.JButton();

        jButton35 = new javax.swing.JButton();

        jScrollBar1 = new javax.swing.JScrollBar();

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

        setTitle("scientific calculator");

        setBackground(new java.awt.Color(204, 255, 255));

        setResizable(false);

        setType(java.awt.Window.Type.UTILITY);

        jTextField1.setBackground(new java.awt.Color(0, 0, 102));

        jTextField1.setFont(new java.awt.Font("Segoe UI Emoji", 2, 12)); // NOI18N

        jTextField1.setForeground(new java.awt.Color(153, 255, 255));

        jTextField1.setHorizontalAlignment(javax.swing.JTextField.CENTER);

        jTextField1.setText("SCIENTIFIC CALCULATOR");

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

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

                jTextField1ActionPerformed(evt);

            }

        });

        jTextField2.setBackground(new java.awt.Color(204, 255, 255));

        jTextField2.setForeground(new java.awt.Color(204, 255, 255));

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

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

                jTextField2ActionPerformed(evt);

            }

        });

        jRadioButton1.setBackground(new java.awt.Color(0, 0, 102));

        buttonGroup1.add(jRadioButton1);

        jRadioButton1.setForeground(new java.awt.Color(102, 255, 255));

        jRadioButton1.setText("ON");

        jRadioButton1.addActionListener(new java.awt.event.ActionListener() {

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

                jRadioButton1ActionPerformed(evt);

            }

        });

        jRadioButton2.setBackground(new java.awt.Color(0, 0, 102));

        buttonGroup1.add(jRadioButton2);

        jRadioButton2.setForeground(new java.awt.Color(153, 255, 255));

        jRadioButton2.setText("OFF");

        jRadioButton2.addActionListener(new java.awt.event.ActionListener() {

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

                jRadioButton2ActionPerformed(evt);

            }

        });

        jButton1.setBackground(new java.awt.Color(0, 0, 102));

        jButton1.setForeground(new java.awt.Color(153, 255, 255));

        jButton1.setText("x");

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

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

                jButton1ActionPerformed(evt);

            }

        });

        jButton2.setBackground(new java.awt.Color(0, 0, 102));

        jButton2.setForeground(new java.awt.Color(153, 255, 255));

        jButton2.setText("√");

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

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

                jButton2ActionPerformed(evt);

            }

        });

        jButton3.setBackground(new java.awt.Color(0, 0, 102));

        jButton3.setForeground(new java.awt.Color(153, 255, 255));

        jButton3.setText("exp");

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

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

                jButton3ActionPerformed(evt);

            }

        });

        jButton4.setBackground(new java.awt.Color(0, 0, 102));

        jButton4.setForeground(new java.awt.Color(153, 255, 255));

        jButton4.setText("log");

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

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

                jButton4ActionPerformed(evt);

            }

        });

        jButton5.setBackground(new java.awt.Color(0, 0, 102));

        jButton5.setForeground(new java.awt.Color(153, 255, 255));

        jButton5.setText("cos");

        jButton5.addActionListener(new java.awt.event.ActionListener() {

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

                jButton5ActionPerformed(evt);

            }

        });

        jButton6.setBackground(new java.awt.Color(0, 0, 102));

        jButton6.setForeground(new java.awt.Color(153, 255, 255));

        jButton6.setText("y");

        jButton6.addActionListener(new java.awt.event.ActionListener() {

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

                jButton6ActionPerformed(evt);

            }

        });

        jButton7.setBackground(new java.awt.Color(0, 0, 102));

        jButton7.setForeground(new java.awt.Color(153, 255, 255));

        jButton7.setText("sin");

        jButton7.addActionListener(new java.awt.event.ActionListener() {

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

                jButton7ActionPerformed(evt);

            }

        });

        jButton8.setBackground(new java.awt.Color(0, 0, 102));

        jButton8.setForeground(new java.awt.Color(153, 255, 255));

        jButton8.setText("(");

        jButton8.addActionListener(new java.awt.event.ActionListener() {

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

                jButton8ActionPerformed(evt);

            }

        });

        jButton9.setBackground(new java.awt.Color(0, 0, 102));

        jButton9.setForeground(new java.awt.Color(153, 255, 255));

        jButton9.setText("tan");

        jButton9.addActionListener(new java.awt.event.ActionListener() {

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

                jButton9ActionPerformed(evt);

            }

        });

        jButton10.setBackground(new java.awt.Color(0, 0, 102));

        jButton10.setForeground(new java.awt.Color(153, 255, 255));

        jButton10.setText(")");

        jButton10.addActionListener(new java.awt.event.ActionListener() {

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

                jButton10ActionPerformed(evt);

            }

        });

        jButton11.setBackground(new java.awt.Color(0, 0, 102));

        jButton11.setForeground(new java.awt.Color(153, 255, 255));

        jButton11.setText("7");

        jButton11.addActionListener(new java.awt.event.ActionListener() {

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

                jButton11ActionPerformed(evt);

            }

        });

        jButton12.setBackground(new java.awt.Color(0, 0, 102));

        jButton12.setForeground(new java.awt.Color(153, 255, 255));

        jButton12.setText("8");

        jButton12.addActionListener(new java.awt.event.ActionListener() {

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

                jButton12ActionPerformed(evt);

            }

        });

        jButton13.setBackground(new java.awt.Color(0, 0, 102));

        jButton13.setForeground(new java.awt.Color(153, 255, 255));

        jButton13.setText("9");

        jButton13.addActionListener(new java.awt.event.ActionListener() {

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

                jButton13ActionPerformed(evt);

            }

        });

        jButton14.setBackground(new java.awt.Color(0, 0, 102));

        jButton14.setForeground(new java.awt.Color(153, 255, 255));

        jButton14.setText("↵");

        jButton14.addActionListener(new java.awt.event.ActionListener() {

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

                jButton14ActionPerformed(evt);

            }

        });

        jButton15.setBackground(new java.awt.Color(0, 0, 102));

        jButton15.setForeground(new java.awt.Color(153, 255, 255));

        jButton15.setText("AC");

        jButton15.addActionListener(new java.awt.event.ActionListener() {

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

                jButton15ActionPerformed(evt);

            }

        });

        jButton16.setBackground(new java.awt.Color(0, 0, 102));

        jButton16.setForeground(new java.awt.Color(153, 255, 255));

        jButton16.setText("5");

        jButton16.addActionListener(new java.awt.event.ActionListener() {

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

                jButton16ActionPerformed(evt);

            }

        });

        jButton17.setBackground(new java.awt.Color(0, 0, 102));

        jButton17.setForeground(new java.awt.Color(153, 255, 255));

        jButton17.setText("4");

        jButton17.addActionListener(new java.awt.event.ActionListener() {

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

                jButton17ActionPerformed(evt);

            }

        });

        jButton18.setBackground(new java.awt.Color(0, 0, 102));

        jButton18.setForeground(new java.awt.Color(153, 255, 255));

        jButton18.setText("6");

        jButton18.addActionListener(new java.awt.event.ActionListener() {

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

                jButton18ActionPerformed(evt);

            }

        });

        jButton19.setBackground(new java.awt.Color(0, 0, 102));

        jButton19.setForeground(new java.awt.Color(153, 255, 255));

        jButton19.setText("\*");

        jButton19.addActionListener(new java.awt.event.ActionListener() {

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

                jButton19ActionPerformed(evt);

            }

        });

        jButton20.setBackground(new java.awt.Color(0, 0, 102));

        jButton20.setForeground(new java.awt.Color(153, 255, 255));

        jButton20.setText("/");

        jButton20.addActionListener(new java.awt.event.ActionListener() {

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

                jButton20ActionPerformed(evt);

            }

        });

        jButton21.setBackground(new java.awt.Color(0, 0, 102));

        jButton21.setForeground(new java.awt.Color(153, 255, 255));

        jButton21.setText("1");

        jButton21.addActionListener(new java.awt.event.ActionListener() {

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

                jButton21ActionPerformed(evt);

            }

        });

        jButton22.setBackground(new java.awt.Color(0, 0, 102));

        jButton22.setForeground(new java.awt.Color(153, 255, 255));

        jButton22.setText("2");

        jButton22.addActionListener(new java.awt.event.ActionListener() {

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

                jButton22ActionPerformed(evt);

            }

        });

        jButton23.setBackground(new java.awt.Color(0, 0, 102));

        jButton23.setForeground(new java.awt.Color(153, 255, 255));

        jButton23.setText("3");

        jButton23.addActionListener(new java.awt.event.ActionListener() {

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

                jButton23ActionPerformed(evt);

            }

        });

        jButton24.setBackground(new java.awt.Color(0, 0, 102));

        jButton24.setForeground(new java.awt.Color(153, 255, 255));

        jButton24.setText("+");

        jButton24.addActionListener(new java.awt.event.ActionListener() {

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

                jButton24ActionPerformed(evt);

            }

        });

        jButton25.setBackground(new java.awt.Color(0, 0, 102));

        jButton25.setForeground(new java.awt.Color(153, 255, 255));

        jButton25.setText("-");

        jButton25.addActionListener(new java.awt.event.ActionListener() {

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

                jButton25ActionPerformed(evt);

            }

        });

        jButton26.setBackground(new java.awt.Color(0, 0, 102));

        jButton26.setForeground(new java.awt.Color(153, 255, 255));

        jButton26.setText("0");

        jButton26.addActionListener(new java.awt.event.ActionListener() {

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

                jButton26ActionPerformed(evt);

            }

        });

        jButton27.setBackground(new java.awt.Color(0, 0, 102));

        jButton27.setForeground(new java.awt.Color(153, 255, 255));

        jButton27.setText("x^3");

        jButton27.addActionListener(new java.awt.event.ActionListener() {

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

                jButton27ActionPerformed(evt);

            }

        });

        jButton28.setBackground(new java.awt.Color(0, 0, 102));

        jButton28.setForeground(new java.awt.Color(153, 255, 255));

        jButton28.setText("x^2");

        jButton28.addActionListener(new java.awt.event.ActionListener() {

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

                jButton28ActionPerformed(evt);

            }

        });

        jButton29.setBackground(new java.awt.Color(0, 0, 102));

        jButton29.setForeground(new java.awt.Color(153, 255, 255));

        jButton29.setText("10^");

        jButton29.addActionListener(new java.awt.event.ActionListener() {

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

                jButton29ActionPerformed(evt);

            }

        });

        jButton30.setBackground(new java.awt.Color(0, 0, 102));

        jButton30.setForeground(new java.awt.Color(153, 255, 255));

        jButton30.setText(".");

        jButton30.addActionListener(new java.awt.event.ActionListener() {

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

                jButton30ActionPerformed(evt);

            }

        });

        jButton31.setBackground(new java.awt.Color(0, 0, 102));

        jButton31.setForeground(new java.awt.Color(153, 255, 255));

        jButton31.setText("=");

        jButton31.addActionListener(new java.awt.event.ActionListener() {

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

                jButton31ActionPerformed(evt);

            }

        });

        jButton32.setBackground(new java.awt.Color(0, 0, 102));

        jButton32.setForeground(new java.awt.Color(153, 255, 255));

        jButton32.setText("%");

        jButton32.addActionListener(new java.awt.event.ActionListener() {

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

                jButton32ActionPerformed(evt);

            }

        });

        jButton33.setBackground(new java.awt.Color(0, 0, 102));

        jButton33.setForeground(new java.awt.Color(153, 255, 255));

        jButton33.setText("A");

        jButton33.addActionListener(new java.awt.event.ActionListener() {

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

                jButton33ActionPerformed(evt);

            }

        });

        jButton34.setBackground(new java.awt.Color(0, 0, 102));

        jButton34.setForeground(new java.awt.Color(153, 255, 255));

        jButton34.setText("x^y");

        jButton34.addActionListener(new java.awt.event.ActionListener() {

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

                jButton34ActionPerformed(evt);

            }

        });

        jButton35.setBackground(new java.awt.Color(0, 0, 102));

        jButton35.setForeground(new java.awt.Color(153, 255, 255));

        jButton35.setText("B");

        jButton35.addActionListener(new java.awt.event.ActionListener() {

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

                jButton35ActionPerformed(evt);

            }

        });

        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(12, 12, 12)

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

                    .addGroup(layout.createSequentialGroup()

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

                            .addGroup(layout.createSequentialGroup()

                                .addComponent(jRadioButton1)

                                .addGap(18, 18, 18)

                                .addComponent(jRadioButton2))

                            .addGroup(layout.createSequentialGroup()

                                .addComponent(jButton11, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton12, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton13, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton14, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton15, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE))

                            .addGroup(layout.createSequentialGroup()

                                .addComponent(jButton17, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton16, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton18, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton19, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton20, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE))

                            .addGroup(layout.createSequentialGroup()

                                .addComponent(jButton21, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton22, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton23, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton24, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton25, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE))

                            .addGroup(layout.createSequentialGroup()

                                .addComponent(jButton28, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton27, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton34, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton33, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton35, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

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

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

                            .addGroup(layout.createSequentialGroup()

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

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

                                        .addComponent(jButton7, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

                                        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

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

                                    .addGroup(layout.createSequentialGroup()

                                        .addComponent(jButton9, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                        .addComponent(jButton8, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                        .addComponent(jButton10, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE))

                                    .addGroup(layout.createSequentialGroup()

                                        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

                                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 23, Short.MAX\_VALUE)

                                        .addComponent(jScrollBar1, javax.swing.GroupLayout.PREFERRED\_SIZE, 20, javax.swing.GroupLayout.PREFERRED\_SIZE))))

                            .addGroup(layout.createSequentialGroup()

                                .addComponent(jButton26, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton30, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton29, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton31, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                                .addComponent(jButton32, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE)

                                .addGap(0, 0, Short.MAX\_VALUE)))

                        .addGap(25, 25, 25))))

            .addGroup(layout.createSequentialGroup()

                .addGap(20, 20, 20)

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

                    .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 348, Short.MAX\_VALUE)

                    .addComponent(jTextField2))

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

        );

        layout.setVerticalGroup(

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

            .addGroup(layout.createSequentialGroup()

                .addContainerGap()

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

                    .addGroup(layout.createSequentialGroup()

                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

                        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 94, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

                            .addComponent(jRadioButton1)

                            .addComponent(jRadioButton2))

                        .addGap(18, 18, 18)

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

                            .addComponent(jButton1)

                            .addComponent(jButton2)

                            .addComponent(jButton3)

                            .addComponent(jButton4)

                            .addComponent(jButton6)))

                    .addComponent(jScrollBar1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

                    .addComponent(jButton7)

                    .addComponent(jButton5)

                    .addComponent(jButton9)

                    .addComponent(jButton10)

                    .addComponent(jButton8))

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

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

                    .addComponent(jButton11)

                    .addComponent(jButton12)

                    .addComponent(jButton13)

                    .addComponent(jButton14)

                    .addComponent(jButton15))

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

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

                    .addComponent(jButton17)

                    .addComponent(jButton16)

                    .addComponent(jButton18)

                    .addComponent(jButton19)

                    .addComponent(jButton20))

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

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

                    .addComponent(jButton21)

                    .addComponent(jButton22)

                    .addComponent(jButton23)

                    .addComponent(jButton24)

                    .addComponent(jButton25, javax.swing.GroupLayout.PREFERRED\_SIZE, 23, javax.swing.GroupLayout.PREFERRED\_SIZE))

                .addGap(14, 14, 14)

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

                    .addComponent(jButton30)

                    .addComponent(jButton29)

                    .addComponent(jButton31)

                    .addComponent(jButton32)

                    .addComponent(jButton26))

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

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

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

                        .addComponent(jButton27)

                        .addComponent(jButton34)

                        .addComponent(jButton33)

                        .addComponent(jButton35))

                    .addComponent(jButton28))

                .addContainerGap(18, Short.MAX\_VALUE))

        );

        pack();

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

    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jTextField2ActionPerformed

        // TODO add your handling code here:

    }//GEN-LAST:event\_jTextField2ActionPerformed

    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton6ActionPerformed

        jTextField2.setText(jTextField2.getText()+"y");

    }//GEN-LAST:event\_jButton6ActionPerformed

    private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton8ActionPerformed

        jTextField2.setText(jTextField2.getText()+"(");

    }//GEN-LAST:event\_jButton8ActionPerformed

    private void jButton28ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton28ActionPerformed

      double t= Double.parseDouble(jTextField2.getText());

      t=t\*t;

      jTextField2.setText("");

      jTextField2.setText(jTextField2.getText()+ t);

    }//GEN-LAST:event\_jButton28ActionPerformed

    private void jButton34ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton34ActionPerformed

       num1 = Double.parseDouble(jTextField2.getText());

        jTextField2.setText("");

        opr = "x^y";

    }//GEN-LAST:event\_jButton34ActionPerformed

    private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton9ActionPerformed

      double t= Math.tan(Double.parseDouble(jTextField2.getText()));

       jTextField2.setText("");

       jTextField2.setText(jTextField2.getText()+t);

    }//GEN-LAST:event\_jButton9ActionPerformed

    private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton10ActionPerformed

        jTextField2.setText(jTextField2.getText()+")");

    }//GEN-LAST:event\_jButton10ActionPerformed

    private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton11ActionPerformed

       jTextField2.setText(jTextField2.getText()+"7");

    }//GEN-LAST:event\_jButton11ActionPerformed

    private void jButton12ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton12ActionPerformed

        jTextField2.setText(jTextField2.getText()+"8");

    }//GEN-LAST:event\_jButton12ActionPerformed

    private void jButton13ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton13ActionPerformed

        jTextField2.setText(jTextField2.getText()+"9");

    }//GEN-LAST:event\_jButton13ActionPerformed

    private void jButton14ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton14ActionPerformed

       String backSpace;

        backSpace =null;

       if(jTextField2.getText().length()>0) {

           StringBuilder s= new StringBuilder(jTextField2.getText());

           s.deleteCharAt(jTextField2.getText().length()-1);

           backSpace = s.toString();

           jTextField2.setText(backSpace);

       }

    }//GEN-LAST:event\_jButton14ActionPerformed

    private void jButton15ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton15ActionPerformed

       jTextField2.setText(jTextField2.getText()+"AC");

    }//GEN-LAST:event\_jButton15ActionPerformed

    private void jButton17ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton17ActionPerformed

        jTextField2.setText(jTextField2.getText()+"4");

    }//GEN-LAST:event\_jButton17ActionPerformed

    private void jButton16ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton16ActionPerformed

        jTextField2.setText(jTextField2.getText()+"5");

    }//GEN-LAST:event\_jButton16ActionPerformed

    private void jButton18ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton18ActionPerformed

        jTextField2.setText(jTextField2.getText()+"6");

    }//GEN-LAST:event\_jButton18ActionPerformed

    private void jButton19ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton19ActionPerformed

        num1 = Double.parseDouble(jTextField2.getText());

        jTextField2.setText("");

        opr = "\*";

    }//GEN-LAST:event\_jButton19ActionPerformed

    private void jButton20ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton20ActionPerformed

        num1 = Double.parseDouble(jTextField2.getText());

        jTextField2.setText("");

        opr = "/";

    }//GEN-LAST:event\_jButton20ActionPerformed

    private void jButton21ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton21ActionPerformed

       jTextField2.setText(jTextField2.getText()+"1");

    }//GEN-LAST:event\_jButton21ActionPerformed

    private void jButton22ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton22ActionPerformed

       jTextField2.setText(jTextField2.getText()+"2");

    }//GEN-LAST:event\_jButton22ActionPerformed

    private void jButton23ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton23ActionPerformed

       jTextField2.setText(jTextField2.getText()+"3");

    }//GEN-LAST:event\_jButton23ActionPerformed

    private void jButton24ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton24ActionPerformed

        num1 = Double.parseDouble(jTextField2.getText());

        jTextField2.setText("");

        opr = "+";

    }//GEN-LAST:event\_jButton24ActionPerformed

    private void jButton25ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton25ActionPerformed

       num1 = Double.parseDouble(jTextField2.getText());

        jTextField2.setText("");

        opr = "-";

    }//GEN-LAST:event\_jButton25ActionPerformed

    private void jButton26ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton26ActionPerformed

        jTextField2.setText(jTextField2.getText()+"0");

    }//GEN-LAST:event\_jButton26ActionPerformed

    private void jButton30ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton30ActionPerformed

       jTextField2.setText(jTextField2.getText()+".");

    }//GEN-LAST:event\_jButton30ActionPerformed

    private void jButton29ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton29ActionPerformed

        jTextField2.setText(jTextField2.getText()+"10^");

    }//GEN-LAST:event\_jButton29ActionPerformed

    private void jButton31ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton31ActionPerformed

       num2 = Double.parseDouble(jTextField2.getText());

       if(opr == "+")

       {

           result = num1+num2;

           jTextField2.setText(Double.toString(result));

       }

       else if (opr == "-"){

           result = num1 - num2;

           jTextField2.setText(Double.toString(result));

       }

       else if (opr == "\*") {

           result= num1\*num2;

           jTextField2.setText(Double.toString(result));

       }

       else if(opr == "/") {

           result = num1 / num2;

           jTextField2.setText(Double.toString(result));

       }

       else if(opr == "%"){

           result = num1 % num2;

           jTextField2.setText(Double.toString(result));

       }

       else if(opr == "x^y")

        {

           for(int i=0; i<num2; i++){

           result = num1\*num2;

        }

           jTextField2.setText(Double.toString(result));

        }

    }//GEN-LAST:event\_jButton31ActionPerformed

    private void jButton32ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton32ActionPerformed

        num1 = Double.parseDouble(jTextField2.getText());

        jTextField2.setText("");

        opr = "%";

    }//GEN-LAST:event\_jButton32ActionPerformed

    private void jButton27ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton27ActionPerformed

     double t= Double.parseDouble(jTextField2.getText());

      t=t\*t\*t;

      jTextField2.setText("");

      jTextField2.setText(jTextField2.getText()+ t);

    }//GEN-LAST:event\_jButton27ActionPerformed

    private void jButton33ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton33ActionPerformed

      jTextField2.setText(jTextField2.getText()+"A");

    }//GEN-LAST:event\_jButton33ActionPerformed

    private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton7ActionPerformed

       double t= Math.sin(Double.parseDouble(jTextField2.getText()));

       jTextField2.setText("");

       jTextField2.setText(jTextField2.getText()+t);

    }//GEN-LAST:event\_jButton7ActionPerformed

    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jTextField1ActionPerformed

        jTextField2.setText(jTextField1.getText()+"x");

    }//GEN-LAST:event\_jTextField1ActionPerformed

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton5ActionPerformed

        double t= Math.cos(Double.parseDouble(jTextField2.getText()));

       jTextField2.setText("");

       jTextField2.setText(jTextField2.getText()+t);

    }//GEN-LAST:event\_jButton5ActionPerformed

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

       double t= Math.log(Double.parseDouble(jTextField2.getText()));

       jTextField2.setText("");

       jTextField2.setText(jTextField2.getText()+t);

    }//GEN-LAST:event\_jButton4ActionPerformed

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

       double t= Math.exp(Double.parseDouble(jTextField2.getText()));

       jTextField2.setText("");

       jTextField2.setText(jTextField2.getText()+t);

    }//GEN-LAST:event\_jButton3ActionPerformed

    private void jButton35ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton35ActionPerformed

        jTextField2.setText(jTextField2.getText()+"B");

    }//GEN-LAST:event\_jButton35ActionPerformed

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

        double t= Math.sqrt(Double.parseDouble(jTextField2.getText()));

       jTextField2.setText("");

       jTextField2.setText(jTextField2.getText()+t);

    }//GEN-LAST:event\_jButton2ActionPerformed

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

        jTextField2.setText(jTextField2.getText()+"x");

    }//GEN-LAST:event\_jButton1ActionPerformed

    private void jRadioButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jRadioButton1ActionPerformed

        enable();

    }//GEN-LAST:event\_jRadioButton1ActionPerformed

    private void jRadioButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jRadioButton2ActionPerformed

        disable();

    }//GEN-LAST:event\_jRadioButton2ActionPerformed

    /\*\*

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

        } catch (InstantiationException ex) {

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

        } catch (IllegalAccessException ex) {

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

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

        }

        //</editor-fold>

        /\* Create and display the form \*/

        java.awt.EventQueue.invokeLater(() -> {

            new calc().setVisible(true);

        });

    }

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

    private javax.swing.ButtonGroup buttonGroup1;

    private javax.swing.JButton jButton1;

    private javax.swing.JButton jButton10;

    private javax.swing.JButton jButton11;

    private javax.swing.JButton jButton12;

    private javax.swing.JButton jButton13;

    private javax.swing.JButton jButton14;

    private javax.swing.JButton jButton15;

    private javax.swing.JButton jButton16;

    private javax.swing.JButton jButton17;

    private javax.swing.JButton jButton18;

    private javax.swing.JButton jButton19;

    private javax.swing.JButton jButton2;

    private javax.swing.JButton jButton20;

    private javax.swing.JButton jButton21;

    private javax.swing.JButton jButton22;

    private javax.swing.JButton jButton23;

    private javax.swing.JButton jButton24;

    private javax.swing.JButton jButton25;

    private javax.swing.JButton jButton26;

    private javax.swing.JButton jButton27;

    private javax.swing.JButton jButton28;

    private javax.swing.JButton jButton29;

    private javax.swing.JButton jButton3;

    private javax.swing.JButton jButton30;

    private javax.swing.JButton jButton31;

    private javax.swing.JButton jButton32;

    private javax.swing.JButton jButton33;

    private javax.swing.JButton jButton34;

    private javax.swing.JButton jButton35;

    private javax.swing.JButton jButton4;

    private javax.swing.JButton jButton5;

    private javax.swing.JButton jButton6;

    private javax.swing.JButton jButton7;

    private javax.swing.JButton jButton8;

    private javax.swing.JButton jButton9;

    private javax.swing.JRadioButton jRadioButton1;

    private javax.swing.JRadioButton jRadioButton2;

    private javax.swing.JScrollBar jScrollBar1;

    private javax.swing.JTextField jTextField1;

    private javax.swing.JTextField jTextField2;

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

}