/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package exCalculadora;

/\*\*

\*

\* @author KAROLINNE

\*/

public class Calculadora extends javax.swing.JFrame {

/\*\*

\* Creates new form Calculadora

\*/

public Calculadora() {

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() {

lblresultado = new javax.swing.JLabel();

btnNove = new javax.swing.JButton();

btnQuatro = new javax.swing.JButton();

btnOito = new javax.swing.JButton();

btnSete = new javax.swing.JButton();

btnSeis = new javax.swing.JButton();

btnCinco = new javax.swing.JButton();

btnTres = new javax.swing.JButton();

btnUm = new javax.swing.JButton();

btnDois = new javax.swing.JButton();

btnZero = new javax.swing.JButton();

btnSoma = new javax.swing.JButton();

btnSubtracao = new javax.swing.JButton();

btnDivisao = new javax.swing.JButton();

btnMutiplicacao = new javax.swing.JButton();

btnResult = new javax.swing.JButton();

btnLimpar = new javax.swing.JButton();

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

lblresultado.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N

btnNove.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnNove.setText("9");

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

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

btnNoveActionPerformed(evt);

}

});

btnQuatro.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnQuatro.setText("4");

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

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

btnQuatroActionPerformed(evt);

}

});

btnOito.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnOito.setText("8");

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

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

btnOitoActionPerformed(evt);

}

});

btnSete.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnSete.setText("7");

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

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

btnSeteActionPerformed(evt);

}

});

btnSeis.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnSeis.setText("6");

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

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

btnSeisActionPerformed(evt);

}

});

btnCinco.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnCinco.setText("5");

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

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

btnCincoActionPerformed(evt);

}

});

btnTres.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnTres.setText("3");

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

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

btnTresActionPerformed(evt);

}

});

btnUm.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnUm.setText("1");

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

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

btnUmActionPerformed(evt);

}

});

btnDois.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnDois.setText("2");

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

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

btnDoisActionPerformed(evt);

}

});

btnZero.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnZero.setText("0");

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

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

btnZeroActionPerformed(evt);

}

});

btnSoma.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnSoma.setText("+");

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

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

btnSomaActionPerformed(evt);

}

});

btnSubtracao.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnSubtracao.setText("-");

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

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

btnSubtracaoActionPerformed(evt);

}

});

btnDivisao.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnDivisao.setText("/");

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

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

btnDivisaoActionPerformed(evt);

}

});

btnMutiplicacao.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnMutiplicacao.setText("x");

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

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

btnMutiplicacaoActionPerformed(evt);

}

});

btnResult.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnResult.setText("=");

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

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

btnResultActionPerformed(evt);

}

});

btnLimpar.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

btnLimpar.setText("C");

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

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

btnLimparActionPerformed(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(30, 30, 30)

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

.addGroup(layout.createSequentialGroup()

.addComponent(btnSete, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnOito, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnNove, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(btnZero, javax.swing.GroupLayout.DEFAULT\_SIZE, 70, Short.MAX\_VALUE)

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

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

.addGap(6, 6, 6)

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

.addGroup(layout.createSequentialGroup()

.addComponent(btnResult, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addGroup(layout.createSequentialGroup()

.addComponent(btnDois, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addGroup(layout.createSequentialGroup()

.addComponent(btnCinco, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(btnSeis, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

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

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

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

.addComponent(btnSoma))))

.addGap(44, 44, 44))

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addContainerGap())

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(lblresultado, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

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

.addComponent(btnOito, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnSete, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnNove, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addGroup(layout.createSequentialGroup()

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

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

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

.addComponent(btnQuatro, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnCinco, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(btnSeis, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnSoma, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(layout.createSequentialGroup()

.addGap(70, 70, 70)

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

.addComponent(btnUm, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnDois, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnTres, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnSubtracao, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(13, 13, 13)

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

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

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

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

.addComponent(btnMutiplicacao, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(39, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

int v1= 0;

int v2= 0;

int op= 99;

public void somar (int n1, int n2){

int soma = n1+n2;

lblresultado.setText(String.valueOf(soma));

}

public void subtracao (int n1, int n2){

int sub = n1-n2;

lblresultado.setText(String.valueOf(sub));

}

public void multiplicacao (int n1, int n2){

int mult = n1\*n2;

lblresultado.setText(String.valueOf(mult));

}

public void divisao (double n1, double n2){

double div = n1/n2;

lblresultado.setText(String.valueOf(div));

}

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

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

if (op == 99)

v1 = 3;

else

v2 = 3;

}

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

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

if (op == 99)

v1 = 2;

else

v2 = 2;

}

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

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

if (op == 99)

v1 = 0;

else

v2 = 0;

}

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

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

if (op == 99)

v1 = 6;

else

v2 = 6;

}

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

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

if (op == 99)

v1 = 1;

else

v2 = 1;

}

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

if (op != 99){

if (op ==0)

somar(v1, v2);

else if (op ==1)

subtracao (v1, v2);

else if (op ==2)

multiplicacao (v1,v2);

else

divisao (v1,v2);

}

else

lblresultado.setText("Operação inválida");

}

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

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

if (op == 99)

v1 = 7;

else

v2 = 7;

}

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

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

if (op == 99)

v1 = 4;

else

v2 = 4;

}

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

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

if (op == 99)

v1 = 5;

else

v2 = 5;

}

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

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

if (op == 99)

v1 = 8;

else

v2 = 8;

}

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

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

if (op == 99)

v1 = 9;

else

v2 = 9;

}

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

lblresultado.setText("");

op = 0;

}

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

lblresultado.setText("");

op = 1;

}

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

lblresultado.setText("");

op = 2;

}

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

lblresultado.setText("");

op = 3;

}

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

v1 = 0;

v2 = 0;

op = 99;

lblresultado.setText("");

}

/\*\*

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnCinco;

private javax.swing.JButton btnDivisao;

private javax.swing.JButton btnDois;

private javax.swing.JButton btnLimpar;

private javax.swing.JButton btnMutiplicacao;

private javax.swing.JButton btnNove;

private javax.swing.JButton btnOito;

private javax.swing.JButton btnQuatro;

private javax.swing.JButton btnResult;

private javax.swing.JButton btnSeis;

private javax.swing.JButton btnSete;

private javax.swing.JButton btnSoma;

private javax.swing.JButton btnSubtracao;

private javax.swing.JButton btnTres;

private javax.swing.JButton btnUm;

private javax.swing.JButton btnZero;

private javax.swing.JLabel lblresultado;

// End of variables declaration

}