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- https://bit.ly/TrabajoFinalP00

Video Demostración



Interfaz Gráfica



Código

Main

```
package Persona;

public class Main {

   public static void main(String[] args) {
      UI ventana = new UI();
      ventana.setVisible(true);
   }
}
```

Persona

```
package Persona;
import java.io.*;
import java.util.*;
public class Persona {
    String name, surname, phone, id;
    public static List<String> fill() {
           FileReader fr = new FileReader("./src/main/java/bd.txt");
           BufferedReader br = new BufferedReader(fr);
           List<String> lineas = new ArrayList<String>();
           String linea;
            //recorre cada linea del archivo
           while ((linea = br.readLine()) != null) {
               if (linea.contains("|")) {
                   lineas.add(linea.trim());
           }
           br.close();
           return lineas;
       } catch (Exception e) {
           List<String> lineas = new ArrayList<String>();
           return lineas;
   }
    public boolean add_person() {
       try {
   //leer el archivo
           FileReader fr = new FileReader("./src/main/java/bd.txt");
           BufferedReader br = new BufferedReader(fr);
           String linea;
            //recorre cada linea del archivo
           while ((linea = br.readLine()) != null) {
               if (linea.contains("|")) {
                   String[] data = linea.split("\\|");
                   if ((data[0].trim()).equals(id)) {
                       return false;
               }
           br.close();
        } catch (Exception ex) {
           return false;
        try {
           FileWriter fw = new FileWriter("./src/main/java/bd.txt", true);
           BufferedWriter bw = new BufferedWriter(fw);
           bw.write("\n" + id + "|" + name + "|" + surname + "|" + phone);
           bw.close();
           return true;
        } catch (Exception e) {
           return false;
   }
    public static boolean delete_person(String id) {
```

```
//leer el archivo
            FileReader fr = new FileReader("./src/main/java/bd.txt");
            BufferedReader br = new BufferedReader(fr);
            List<String> lineas = new ArrayList<String>();
            String linea;
            boolean flag = false;
            //recorre cada linea del archivo
            while ((linea = br.readLine()) != null) {
                if (linea.contains("|")) {
                    // almacenar cada linea del archivo a menos que sea la que hay que eliminar
                    String[] data = linea.split("\\|");
                    if ((data[0].trim()).equals(id)) {
                        flag = true;
                    } else {
                        lineas.add(linea.trim());
                    }
                }
            }
            br.close();
            if (flag) {
                //si se encontro la linea por eliminar se continua vaciando el archivo
                if (!vaciar()) {
                   return false:
                //se llena el archivo con la lista que se lleno anteriormente (recordar que ya no tiene al eliminado)
                FileWriter fw = new FileWriter("./src/main/java/bd.txt", true);
                BufferedWriter bw = new BufferedWriter(fw);
for (int i = 0; i < lineas.size(); i++) {
                    bw.write("\n" + lineas.get(i));
                bw.close();
                return true;
            } else {
                return false;
        } catch (Exception ex) {
            return false;
   }
    public static boolean vaciar() {
        try {
            FileWriter fw = new FileWriter("./src/main/java/bd.txt");
            BufferedWriter bw = new BufferedWriter(fw);
            bw.write("");
            bw.close();
            return true;
        } catch (IOException e) {
            return false;
       }
   }
}
```

UI

```
package Persona;
import java.util.List;
import javax.swing.JOptionPane;
import javax.swing.event.TableModelEvent;
import javax.swing.event.TableModelListener;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableModel;

public class UI extends javax.swing.JFrame {

    /**
    * Creates new form UI
    */
    public UI() {
        initComponents();
        List<String> lineas = Persona.fill();
        DefaultTableModel model = (DefaultTableModel) Table.getModel();
        String[] data;
        for (int i = 0; i < lineas.size(); i++) {</pre>
```

```
data = lineas.get(i).split("\\|");
                     model.addRow(new Object[]{data[0], data[1], data[2], data[3]});
              } catch (Exception e) {
       add_table();
}
private TableModelListener modelListener = new TableModelListener() {
       public void tableChanged(TableModelEvent e) {
              TableModel model = (TableModel) e.getSource();
              int row = e.getFirstRow();
              Persona.delete_person(model.getValueAt(row, 0).toString());
              Persona persona = new Persona();
              persona.name = model.getValueAt(row, 1).toString();
              persona.surname = model.getValueAt(row, 2).toString();
              persona.phone = model.getValueAt(row, 3).toString();
              persona.id = model.getValueAt(row, 0).toString();
              persona.add_person();
      }
};
private void add table() {
       {\tt Table.getModel().addTableModelListener(modelListener);}
 ^{\star} This method is called from within the constructor to initialize the form.
  ^{\star} WARNING: Do NOT modify this code. The content of this method is always
  ^{\star} regenerated by the Form Editor.
@SuppressWarnings("unchecked")
// < editor-fold \ default state = "collapsed" \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Components \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: in it Code \ desc = "Generated \ Code" > // GEN-BEGIN: 
private void initComponents() {
        jLabel2 = new javax.swing.JLabel();
        lblDescription = new javax.swing.JLabel();
        txtName = new javax.swing.JTextField();
        lblA = new javax.swing.JLabel();
       txtSurname = new javax.swing.JTextField();
        lblA1 = new javax.swing.JLabel();
       txtPhone = new javax.swing.JTextField();
        lblA2 = new javax.swing.JLabel();
       txtCedula = new javax.swing.JTextField();
        lblA3 = new javax.swing.JLabel();
       jScrollPane1 = new javax.swing.JScrollPane();
       Table = new javax.swing.JTable();
       btnAdd = new javax.swing.JButton();
       btnClean = new javax.swing.JButton();
       btnDeleteRow = new javax.swing.JButton();
       setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
       jLabel2.setFont(new java.awt.Font("Inter SemiBold", 0, 36)); // NOI18N
       jLabel2.setText("Bienvenido.");
        lblDescription.setFont(new java.awt.Font("Inter SemiBold", 0, 36)); // NOI18N
       lblDescription.setForeground(new java.awt.Color(134, 134, 139));
       lblDescription.setText("Programa Persona.");
       txtName.setBackground(new java.awt.Color(251, 251, 253));
       txtName.setCaretColor(new java.awt.Color(210, 210, 215));
       txtName.addActionListener(new java.awt.event.ActionListener() {
              public void actionPerformed(java.awt.event.ActionEvent evt) {
                     txtNameActionPerformed(evt);
       });
        lblA.setFont(new java.awt.Font("Inter", 0, 12)); // NOI18N
        lblA.setForeground(new java.awt.Color(134, 134, 139));
       lblA.setText("Nombre(s):");
       txtSurname.setBackground(new java.awt.Color(251, 251, 253));
       txtSurname.setCaretColor(new java.awt.Color(210, 210, 215));
       txtSurname.addActionListener(new java.awt.event.ActionListener() {
              public void actionPerformed(java.awt.event.ActionEvent evt) {
                    txtSurnameActionPerformed(evt);
              }
       });
```

```
lblA1.setFont(new java.awt.Font("Inter", 0, 12)); // NOI18N
lblA1.setForeground(new java.awt.Color(134, 134, 139));
lblA1.setText("Apellidos:");
txtPhone.setBackground(new java.awt.Color(251, 251, 253));
txtPhone.setCaretColor(new java.awt.Color(210, 210, 215));
txtPhone.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       txtPhoneActionPerformed(evt);
});
lblA2.setFont(new java.awt.Font("Inter", 0, 12)); // NOI18N
lblA2.setForeground(new java.awt.Color(134, 134, 139));
lblA2.setText("Teléfono:");
txtCedula.setBackground(new java.awt.Color(251, 251, 253));
txtCedula.setCaretColor(new java.awt.Color(210, 210, 215));
txtCedula.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       txtCedulaActionPerformed(evt);
});
lblA3.setFont(new java.awt.Font("Inter", 0, 12)); // NOI18N
lblA3.setForeground(new java.awt.Color(134, 134, 139));
lblA3.setText("Cédula:");
{\tt Table.setModel(new\ javax.swing.table.DefaultTableModel(}
   new Object [][] {
   new String [] {
       "Cédula", "Nombre", "Apellidos", "Telefóno"
   Class[] types = new Class [] {
       java.lang.String.class, java.lang.String.class, java.lang.String.class
   public Class getColumnClass(int columnIndex) {
       return types [columnIndex];
Table.setEditingRow(0);
jScrollPane1.setViewportView(Table);
btnAdd.setBackground(new java.awt.Color(0, 113, 227));
btnAdd.setFont(new java.awt.Font("Inter", 1, 14)); // NOI18N
btnAdd.setForeground(new java.awt.Color(255, 255, 255));
btnAdd.setText("Añadir");
btnAdd.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       btnAddActionPerformed(evt);
btnClean.setBackground(new java.awt.Color(0, 113, 227));
btnClean.setFont(new java.awt.Font("Inter", 1, 14)); // NOI18N
btnClean.setForeground(new java.awt.Color(255, 255, 255));
btnClean.setText("Vaciar Tabla");
public void actionPerformed(java.awt.event.ActionEvent evt) {
       btnCleanActionPerformed(evt);
   }
});
btnDeleteRow.setBackground(new java.awt.Color(0, 113, 227));
btnDeleteRow.setFont(new java.awt.Font("Inter", 1, 14)); // NOI18N
btnDeleteRow.setForeground(new java.awt.Color(255, 255, 255));
btnDeleteRow.setText("Eliminar Fila");
btnDeleteRow.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       btnDeleteRowActionPerformed(evt);
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
```

```
layout.create Parallel Group (javax.swing.Group Layout.Alignment.LEAD ING)\\
                       . add {\tt Group(javax.swing.GroupLayout.Alignment.TRAILING, \ layout.create {\tt SequentialGroup(javax.swing.GroupLayout.Alignment.TRAILING, \ layout.c
                                  .addGap(62, 62, 62)
                                  . add {\tt Group(layout.createParallelGroup(javax.swing.{\tt GroupLayout.Alignment.LEADING)} \\
                                            . add Group (layout.create Parallel Group (javax.swing.Group Layout.Alignment.LEADING, false)\\
                                                        .addComponent(lblA2, javax.swing.GroupLayout.PREFERRED_SIZE, 106, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                        .addComponent(lblA1, javax.swing.GroupLayout.PREFERRED_SIZE, 106, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                        .addComponent(lblDescription, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX
                                                        .addComponent(jLabel2)
                                                        .addComponent(lblA, javax.swing.GroupLayout.PREFERRED_SIZE, 106, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                        .addComponent(txtName)
                                                        .addComponent(txtSurname)
                                                        .addComponent(lblA3, javax.swing.GroupLayout.PREFERRED_SIZE, 106, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                        .addComponent(txtPhone)
                                                        .addComponent(txtCedula))
                                            .addComponent(btnAdd, javax.swing.GroupLayout.PREFERRED_SIZE, 160, javax.swing.GroupLayout.PREFERRED_SIZE))
                                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 72, Short.MAX_VALUE)
                                 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                            .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE, 346, ja
                                             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                                                        .addComponent(btnDeleteRow, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MA
                                                        .addComponent(btnClean, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)))
                                 .addGap(64, 64, 64))
           layout.setVerticalGroup(
                      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                       .addGroup(layout.createSequentialGroup()
                                 .addGap(56, 56, 56)
                                 . add {\tt Group(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)}
                                            .addComponent(jLabel2)
                                             .addGroup(layout.createSequentialGroup()
                                                         .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                                   . add {\tt Group(javax.swing.GroupLayout.Alignment.TRAILING, \ layout.create {\tt SequentialGroup(javax.swing.GroupLayout.Alignment.TRAILING, \ layout.create {\tt SequentialGroup(javax.swing.group.Trailing, \ layout.create {\tt SequentialGroup(javax.swing.group.Trailing, \ layout.create {\tt SequentialGroup(javax.swing.group.Trailing, \ layout.create {\tt SequentialGroup(javax.swing.group.Trail
                                                                              .addComponent(lblDescription)
                                                                               addGap(18, 18, 18)
                                                                              .addComponent(lblA)
                                                                              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                                                              .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                                              .addGap(18, 18, 18)
                                                                              .addComponent(lblA1)
                                                                              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                                                              .addComponent(txtSurname, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZ
                                                                              . add {\tt PreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)}
                                                                              .addComponent(lblA2)
                                                                              . add \texttt{PreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)}
                                                                              .addComponent(txtPhone, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                                              . add \texttt{PreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)}
                                                                              .addComponent(lblA3)
                                                                              . add \texttt{PreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)}
                                                                              .addComponent(txtCedula, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE
                                                                  .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 380, javax.swing.GroupLayout.PREFERRED_SIZE
                                                        .addGap(33, 33, 33)
                                                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                                                  .addComponent(btnAdd, javax.swing.GroupLayout.PREFERRED_SIZE, 39, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                                  . add Component (btn Clean, javax.swing.Group Layout.PREFERRED\_SIZE, 39, javax.swing.Group Layout.PREFERRED\_SIZE) \\
                                                                  .addComponent(btnDeleteRow, javax.swing.GroupLayout.PREFERRED_SIZE, 39, javax.swing.GroupLayout.PREFERRED_SIZE)
                                 .addContainerGap(48, Short.MAX_VALUE))
          );
          pack();
}// </editor-fold>//GEN-END:initComponents
private \ void \ txtNameActionPerformed (java.awt.event.ActionEvent \ evt) \ \{//GEN-FIRST: event\_txtNameActionPerformed \ event.ActionEvent \ ev
           // TODO add your handling code here:
}//GEN-LAST:event_txtNameActionPerformed
private \ void \ txtSurnameActionPerformed (java.awt.event.ActionEvent \ evt) \ \{//GEN-FIRST: event\_txtSurnameActionPerformed \ evt) \ evt) \ \{//GEN-FIRST: event\_txtSurnameActionPerformed \ evt) \ evt) \ evt) \ evt) \ evt) \ evt)
           // TODO add your handling code here:
}//GEN-LAST:event_txtSurnameActionPerformed
private\ void\ txtPhoneActionPerformed (java.awt.event.ActionEvent\ evt)\ \{//GEN-FIRST: event\_txtPhoneActionPerformed\}
           // TODO add your handling code here:
}//GEN-LAST:event_txtPhoneActionPerformed
private \ void \ btnAddActionPerformed (java.awt.event.ActionEvent \ evt) \ \{//GEN-FIRST: event\_btnAddActionPerformed \ event.ActionEvent \ even
           // ====== Create Persona ======= //
           Persona persona = new Persona();
          persona.name = txtName.getText();
           persona.surname = txtSurname.getText();
          persona.phone = txtPhone.getText();
```

```
persona.id = txtCedula.getText();
         // ====== Data Base ===== //
         boolean flag = persona.add_person();
         if (flag) {
                   DefaultTableModel model = (DefaultTableModel) Table.getModel();
                   model.addRow(new Object[]{persona.id, persona.name, persona.surname, persona.phone});
                   txtName.setText("");
                   txtSurname.setText("");
                   txtPhone.setText("");
                   txtCedula.setText("");
         } else {
                   JOptionPane.showMessageDialog(null,
                                      "No se pudo agregar a la persona. Por favor verifica los datos ingresados.",
                                      "Error agregando persona",
                                      JOptionPane.ERROR_MESSAGE);
         }
}//GEN-LAST:event_btnAddActionPerformed
private void btnCleanActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_btnCleanActionPerformed
         DefaultTableModel model = (DefaultTableModel) Table.getModel():
         model.removeTableModelListener(modelListener);
         if (Persona.vaciar()) {
                   for (int i = 0; i < Table.getRowCount(); i++) {
                            model.removeRow(i);
                            i -= 1:
                  3
         } else {
                   {\tt JOptionPane.showMessageDialog(null,}\\
                                      "No se pudo vaciar la tabla. Hubo un error en el sistema.",
                                      "Error inesperado",
                                      JOptionPane.ERROR_MESSAGE);
         add_table();
}//GEN-LAST:event_btnCleanActionPerformed
private \ void \ btnDeleteRowActionPerformed (java.awt.event.ActionEvent \ evt) \ \{//GEN-FIRST: event\_btnDeleteRowActionPerformed \ evt) \ evt) \ \{//GEN-FIRST: event\_btnDeleteRowActionPerformed \ evt) \ evt
         DefaultTableModel model = (DefaultTableModel) Table.getModel();
         model.removeTableModelListener(modelListener);
         for (int i = 0; i < Table.getSelectedRows().length; <math>i++) {
                   if (Persona.delete_person(model.getValueAt(Table.getSelectedRow(), 0).toString())) {
                            model.removeRow(Table.getSelectedRow());
                           JOptionPane.showMessageDialog(null,
                                                "No se pudo eliminar una(s) persona(s).",
                                                "Error inesperado",
                                                JOptionPane.ERROR_MESSAGE);
                  }
         add_table();
}//GEN-LAST:event_btnDeleteRowActionPerformed
private void txtCedulaActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_txtCedulaActionPerformed
         // TODO add your handling code here:
}//GEN-LAST:event_txtCedulaActionPerformed
 ^{\star} @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) ">
         \prime^* 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
           */
                   for \ (javax.swing.UIManager.LookAndFeelInfo \ info : javax.swing.UIManager.getInstalledLookAndFeels()) \ \{ (info ) \ (info 
                            if ("Nimbus".equals(info.getName())) {
                                      {\tt javax.swing.UIManager.setLookAndFeel(info.getClassName());}
                                      break;
         } catch (ClassNotFoundException ex) {
                  java.util.logging.Logger.getLogger(UI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);\\
         } catch (InstantiationException ex) {
                   java.util.logging.Logger.getLogger(UI.class.getName()).log(java.util.logging.Level.SEVERE, \ null, \ ex); \\
         } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(UI.class.getName()).log(java.util.logging.Level.SEVERE, \ null, \ ex); \\
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
           java.util.logging.Logger.getLogger(UI.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 UI().setVisible(true);
       });
    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JTable Table;
    private javax.swing.JButton btnAdd;
   private javax.swing.JButton btnClean;
    private javax.swing.JButton btnDeleteRow;
   private javax.swing.JLabel jLabel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JLabel lblA;
    private javax.swing.JLabel lblA1;
    private javax.swing.JLabel lblA2;
    private javax.swing.JLabel lblA3;
    private javax.swing.JLabel lblDescription;
    {\tt private javax.swing.JTextField\ txtCedula;}
    private javax.swing.JTextField txtName;
    private javax.swing.JTextField txtPhone;
    private\ javax.swing.JTextField\ txtSurname;
    // End of variables declaration//GEN-END:variables
}
```