

NOMBRE: NOELIA FELIPE RAMIREZ
CARRERA: INGENIERÍA DE SISTEMAS
DOCENTE: FLORES SOLIZ JUAN MARCELO

CLASE CONEXION

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
 this license
 * Click
 nbfs://nbhost/SystemFileSystem/Templates/Project/Maven2/JavaApp/src/main/java/${packa
 gePath}/${mainClassName}.java to edit this template
 */
```

```
package com.mycompany.conexion;
```

```
/**
 *
 * @author noelia
 */
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
```

```
/**
 *
 * @author noelia
 */
public class Conexion {
    Connection conectar = null;
    String usuario="noelia";
    String contrasenia="123noelia123";
    String bd="postgres";
    String ip ="localhost";
    String puerto ="5432 ";
    public PreparedStatement pst;

    String cadena="jdbc:postgresql://" + ip + "/" + bd + ":@" + puerto +
    public Connection getConexion()
    {
        return conectar;
    }
    public Connection establecerConexion(){
        try {
```

```

        Class.forName("org.postgresql.Driver");
        conectar=DriverManager.getConnection(cadena,usuario,contrasenia);
        JOptionPane.showMessageDialog(null, "Se conecto a la base de datos
correctamente");
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, "Error: "+e.toString());
        System.out.println("Error: "+e.toString());
    }

    return conectar;
}
public ResultSet consultarBD(String query) throws SQLException, Exception{
    try {
        pst=conectar.prepareStatement(query);
        return pst.executeQuery();

    } catch (Exception e) {
        throw new Exception("Error al consultar la Bd");
    }
}
public boolean getEstado() throws SQLException{
    return conectar.isClosed();
}

}

```

CLASE COCTEL

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GuiForms/JFrame.java to edit this
template
 */
package com.mycompany.conexion;

import java.sql.CallableStatement;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
import java.util.ArrayList; /**
 *
 * @author noelia
 */

public class Coctel extends javax.swing.JFrame {

```

```

public Conexion con;
public String nombreCoctel;
/**
 * Creates new form Login
 */
public Coctel() {
    initComponents();
    Conexion conexion = new Conexion();
    conexion.establecerConexion();
    con=conexion;
    setLocationRelativeTo(null);
}

/**
 * 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() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    Aceptar = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jTextField2 = new javax.swing.JTextField();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(102, 102, 102));

    jLabel1.setFont(new java.awt.Font("Liberation Sans", 1, 36)); // NOI18N
    jLabel1.setText("COCTEL");

    jLabel2.setFont(new java.awt.Font("Liberation Sans", 1, 20)); // NOI18N
    jLabel2.setText("NOMBRE DEL COCTEL");

    jTextField1.setFont(new java.awt.Font("Liberation Sans", 0, 20)); // NOI18N
    jTextField1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField1ActionPerformed(evt);
        }
    });

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

```

```

Aceptar.setText("ACEPTAR");
Aceptar.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AceptarActionPerformed(evt);
    }
});

jButton2.setBackground(new java.awt.Color(204, 204, 204));
jButton2.setText("CANCELAR");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jTextField2.setFont(new java.awt.Font("Liberation Sans", 0, 20)); // NOI18N
jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(135, 135, 135)
            .addComponent(Aceptar)
            .addGap(18, 18, 18)
            .addComponent(jButton2))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(179, 179, 179)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 233,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(165, 165, 165)
            .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2)))
);

```

```

        .addContainerGap(194, Short.MAX_VALUE))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(161, 161, 161)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
250, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(198, Short.MAX_VALUE)))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(39, 39, 39)
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
70, Short.MAX_VALUE)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(55, 55, 55)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
NE)
        .addComponent(Aceptar)
        .addComponent(jButton2))
        .addGap(27, 27, 27))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
G)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(137, 137, 137)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(160, Short.MAX_VALUE)))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );

    pack();
} // </editor-fold>

```

```

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

```

```

// TODO add your handling code here:

```

```

int respuesta=JOptionPane.showConfirmDialog(this, "desea salir");
if(respuesta==JOptionPane.YES_OPTION){
    System.exit(0);
}
}

```

```

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

// TODO add your handling code here:
}

```

```

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

```

```

if(jTextField1.getText().isEmpty()){
    JOptionPane.showMessageDialog(null, "falta algun dato");
}else{
    nombreCoctel=jTextField1.getText();
    String equivale = jTextField2.getText();
    String query="insert into coctel values('"+equivale+"','"+nombreCoctel+"');";
    try {
        PreparedStatement ps=con.getConexion().prepareStatement(query);
        ps.execute();
        ps.close();
        jTextField1.setText("");
        JOptionPane.showMessageDialog(null, "se inserto correctamente");
    } catch (Exception e) {

```

```

        System.out.println(e);
        JOptionPane.showMessageDialog(null, "ese coctel ya existe");

    }

}

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:
}

/**
 * @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(Coctel.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(Coctel.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(Coctel.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(Coctel.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>
//</editor-fold>
//</editor-fold>
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new Coctel().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton Aceptar;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}

```

CREANDO LA TABLA EN LA BASE DE DATOS

Create - Table

GeneralColumnsAdvancedConstraintsPartitionsParametersSecuritySQL

Inherited from table(s)

Select to inherit from...|v

Columns+

		Name	Data type	Length/Precision	Scale	Not NULL?	Primary key?	Default
<div></div>	<div></div>	nombre	character varying v			<div></div>	<div></div>	
<div></div>	<div></div>	equivale	character varying v			<div></div>	<div></div>	

i?

X CloseR ResetS Save

QueryQuery History

1select* from coctel

2

Data OutputMessages

+fvdDw

nombre [PK] character varying	equivale character varying
----------------------------------	-------------------------------

EL MENSAJE DE QUE SE CONECTO A LA BASE DE DATOS

```

// TODO add your handling code here:
}

private void AceptarActionPerformed(java.awt.event.ActionEvent evt) {
    if(jTextField1.getText().isEmpty()){
        JOptionPane.showMessageDialog( parentComponent:null, message:"falta algun dato");
    }else{
        nombreCocktel=jTextField1.getText();
        String equivalente = jTextField2.getText();
        String query="insert into coctel values('"+equivalente+"','"+nombreCocktel+"');";
        try {
            PreparedStatement ps=con.prepareStatement( sql:query);
            ps.executeUpdate();
            ps.close();
            jTextField1.setText("");
            jTextField2.setText("");
            JOptionPane.showMessageDialog( parentComponent:null, message:"se inserto correctamente");
        } catch (Exception e) {
            System.out.println( e);
            JOptionPane.showMessageDialog( parentComponent:null, message:"ese coctel ya existe");
        }
    }
}

```

Company.conexion.Cocktel > AceptarActionPerformed > if (jTextField1.getText().isEmpty()) else > try >

Search Results Output x

(Cocktel) x Run (Cocktel) x

Building Conexion 1.0-SNAPSHOT

----- [jar] -----

exitField1.getText().isEmpty()) {

0
{
o
t
t
r

```
except e: ui.getText().isEmpty())
```

COCTEL

NOMBRE DEL COCTEL

mojito

10

ACEPTAR CANCELAR

```
except e: ui.getText().isEmpty())
```

COCTEL

Message

 se inserto correctamente

OK

ACEPTAR CANCELAR

Query

Query History

1

`select* from coctel`

2

Data Output

Messages

≡+

▼

	<div>nombre</div> <div>[PK] character varying </div>	<div>equivale</div> <div>character varying </div>
1	mojito	10

—

□

×

COCTEL

NOMBRE DEL COCTEL

bloody mary

1

ACEPTAR

CANCELAR



Query

Query History

1

select* from coctel

2

|

Data Output

Messages

≡+

📄

▼

📋

🗑

🗄

⬇

📈

	<div>nombre</div> <div>[PK] character varying </div>	<div>equivale</div> <div>character varying </div>
1	mojito	10
2	bloody mary	1

COCTEL

NOMBRE DEL COCTEL

mojito

10

ACEPTAR

CANCELAR

COCTEL

Message

i

ese coctel ya existe

OK

ACEPTAR

CANCELAR