Gestor de jugadores de futbol

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Asignación: *Programación I* **Fecha de entrega:** *16-03-2023:1:22am **sorry***

Que contiene el proyecto:

Paquetes: {

-Conexión

-Interfaz_Grafica

-com.mycompany.gestorjugadoresfutbol

}

Clases: {

-Conexión.setConnection.java

-Interfaz_Grafica.GUI.java

- com.mycompany.gestorjugadoresfutbol.GestorJugadoresFutbol.java

- com.mycompany.gestorjugadoresfutbol.JugadorController.java

}

Clase setConnection.java:

```java
package Conexion;

import java.sql.Connection;
import java.sql.DriverManager;
import javax.swing.JOptionPane;

public class setConnection {

    Connection conn = null;

    String user = "Speakmespanish";
    String password = "Andyson2#";
    String database = "GestorJugadores";
    String ip = "localhost";
    String port = "1433";

    public Connection EstablecerConexion(){

        try{
```

```java
        Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

            String conection = "jdbc:sqlserver://" + ip + ":" + port +
";" + "databaseName=" + database + ";"
                    + "encrypt = true; trustServerCertificate =
true;";

            conn = DriverManager.getConnection(conection, user,
password);
            System.out.print("Se conecto correctamente a la base de
datos!\n");

        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, "Fallo en la conexion
de la base de datos!!");
        }

        return conn;
    }

}
```

Clase GUI.java:

```java
package Interfaz_Grafica;

import com.mycompany.gestorjugadoresfutbol.JugadorController;

public class GUI extends javax.swing.JFrame {

    public GUI() {
        initComponents();
        JugadorController JC = new JugadorController();
        JC.MostrarJugador(TablePlayers);

    }


    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        TablePlayers = new javax.swing.JTable();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        txtID = new javax.swing.JTextField();
        txtNombre = new javax.swing.JTextField();
        txtEdad = new javax.swing.JSpinner();
        jLabel5 = new javax.swing.JLabel();
        cmbPosicion = new javax.swing.JComboBox<>();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
```

```java
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Gestor de jugadores");

        jLabel1.setFont(new java.awt.Font("Showcard Gothic", 2, 24));
// NOI18N
        jLabel1.setText("Gestor de jugadores de futbol");

        TablePlayers.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {},
                {},
                {},
                {}
            },
            new String [] {

            }
        ));
        TablePlayers.addMouseListener(new
java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                TablePlayersMouseClicked(evt);
            }
        });
        jScrollPane1.setViewportView(TablePlayers);


    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Regist
rar Jugadores"));

        jLabel2.setText("Identificacion:");

        jLabel3.setText("Nombre:");

        jLabel4.setText("Edad:");

        txtID.setEnabled(false);

        jLabel5.setText("Posicion:");

        cmbPosicion.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "Delantero",
"Mediocampista", "Defensor", "Portero" }));
        cmbPosicion.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                cmbPosicionActionPerformed(evt);
            }
        });

        jButton1.setText("Editar");
        jButton1.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jButton1MouseClicked(evt);
            }
        });
        jButton1.addActionListener(new java.awt.event.ActionListener()
{
```

```java
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setText("Agregar");
        jButton2.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jButton2MouseClicked(evt);
            }
        });
        jButton2.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jButton3.setText("Eliminar");
        jButton3.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jButton3MouseClicked(evt);
            }
        });
        jButton3.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                jButton3ActionPerformed(evt);
            }
        });

        jButton4.setText("Funcionalidad");
        jButton4.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jButton4MouseClicked(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING, false)
                    .addComponent(jLabel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel4,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```java
                            .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                        .addGap(29, 29, 29)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)
                                .addComponent(txtID,
javax.swing.GroupLayout.PREFERRED_SIZE, 169,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(txtNombre,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 169,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addComponent(txtEdad,
javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING)
                                    .addComponent(cmbPosicion,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addGap(18, 18, 18)
                                .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addComponent(jButton4,
javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(16, 16, 16)
                            .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addContainerGap(307, Short.MAX_VALUE)))
        );
        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(62, 62, 62)
```

```java
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.BASELINE)
                            .addComponent(jLabel2)
                            .addComponent(txtID,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(18, 18, 18)

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.BASELINE)
                            .addComponent(jLabel3)
                            .addComponent(txtNombre,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(18, 18, 18)

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.BASELINE)
                            .addComponent(jLabel4)
                            .addComponent(txtEdad,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(18, 18, 18)

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.BASELINE)
                            .addComponent(jLabel5)
                            .addComponent(cmbPosicion,
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.Al
ignment.BASELINE)
                            .addComponent(jButton1)
                            .addComponent(jButton3))
                        .addGap(18, 18, 18)
                        .addComponent(jButton4)
                        .addContainerGap(17, Short.MAX_VALUE))

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                            .addContainerGap(260, Short.MAX_VALUE)
                            .addComponent(jButton2)
                            .addGap(57, 57, 57)))
            );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

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

```java
                    .addGap(15, 15, 15)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING, false)
                        .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE, 429, Short.MAX_VALUE)
                        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jScrollPane1,
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(layout.createSequentialGroup()
                .addGap(33, 33, 33)
                .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            );

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

    private void cmbPosicionActionPerformed(java.awt.event.ActionEvent
evt) {
        // TODO add your handling code here:


    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {
        // TODO add your handling code here:
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent
evt) {
        // TODO add your handling code here:
```

```java
        }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent
evt) {
        // TODO add your handling code here:
    }

    private void jButton2MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        JugadorController JC = new JugadorController();
        JC.AgregarJugador(TablePlayers, txtNombre, txtEdad,
cmbPosicion);

    }

    private void TablePlayersMouseClicked(java.awt.event.MouseEvent
evt) {
        // TODO add your handling code here:
        JugadorController JC = new JugadorController();
        JC.SeleccionarJugador(TablePlayers, txtNombre, txtEdad,
cmbPosicion, txtID);
    }

    private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        JugadorController JC = new JugadorController();
        JC.EditarJugador(TablePlayers, txtNombre, txtEdad,
cmbPosicion, txtID);
    }

    private void jButton3MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        JugadorController JC = new JugadorController();
        JC.EliminarJugador(TablePlayers, txtNombre, txtEdad,
cmbPosicion, txtID);
    }

    private void jButton4MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        JugadorController JC = new JugadorController();
        JC.FuncionesJugadores(cmbPosicion);
    }

    /**
     * @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.ht
ml
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
```

```java
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

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

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JTable TablePlayers;
    private javax.swing.JComboBox<String> cmbPosicion;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JSpinner txtEdad;
    private javax.swing.JTextField txtID;
    private javax.swing.JTextField txtNombre;
    // End of variables declaration

}
```

Clase GestorJugadores.java:

```java
package com.mycompany.gestorjugadoresfutbol;


import Interfaz_Grafica.GUI;
public class GestorJugadoresFutbol {

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

```java
        GUI run = new GUI();
        run.setVisible(true);
    }
}
```

Clase JugadorController.java:

```java
package com.mycompany.gestorjugadoresfutbol;

import Conexion.setConnection;
import java.sql.CallableStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JComboBox;
import javax.swing.JOptionPane;
import javax.swing.JSpinner;
import javax.swing.JTable;
import javax.swing.JTextField;
import javax.swing.table.DefaultTableModel;

public class JugadorController {

    public void FuncionesJugadores(JComboBox paramPosicion) {

        String Posicion = paramPosicion.getSelectedItem().toString();
        String msgDelantero = "Marcara goles y creara oportunidades de
goles, tiene buena velocidad y agilidad, ademas de buena precision.";
        String msgMedioCampista = "Controlan medio campo y distribuyen
el balon, tienen buena vision, capacidad de recuperacion y tecnicas de
regate.";
        String msgDefensor = "Protegen la porteria, tiene buena
lectura del juego y buena tecnica para distribuir el balon desde la
defensa.";
        String msgPortero = "Se encarga de proteger la porteria, tiene
buenos reflejos para detener los goles y un poco de todo del
Defensor.";

        if (Posicion.equals("Delantero")) {
            JOptionPane.showMessageDialog(null, msgDelantero);
        }
        else if (Posicion.equals("Mediocampista")){
            JOptionPane.showMessageDialog(null, msgMedioCampista);
        }
        else if (Posicion.equals("Defensor")){
            JOptionPane.showMessageDialog(null, msgDefensor);
        }
        else if (Posicion.equals("Portero")){
            JOptionPane.showMessageDialog(null, msgPortero);
        }
    }

    public void EliminarJugador(JTable paramTable, JTextField
paramNombre, JSpinner paramEdad, JComboBox paramPosicion, JTextField
paramID) {

        setConnection conn = new setConnection();
        String consulta = "delete from Jugadores where Identificacion
= ?";

        int ID = Integer.parseInt(paramID.getText().toString());
```

```java
        try {
            CallableStatement cs =
conn.EstablecerConexion().prepareCall(consulta);
            cs.setInt(1, ID);
            cs.execute();

            JOptionPane.showMessageDialog(null, "Jugador eliminado con
exitos!");

            MostrarJugador(paramTable);
            paramID.setText(null);
            paramNombre.setText(null);
            paramEdad.setValue(0);

        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, "Error al intentar
eliminar el jugador: " + ex);
        }
    }

    public void EditarJugador(JTable paramTable, JTextField
paramNombre, JSpinner paramEdad, JComboBox paramPosicion, JTextField
paramID) {

        setConnection conn = new setConnection();
        String consulta = "update Jugadores set Jugadores.Nombre = ?,
Jugadores.Edad = ?, Jugadores.Posicion = ? where
Jugadores.Identificacion = ?";

        int ID =  Integer.parseInt(paramID.getText().toString());
        String Nombre = paramNombre.getText();
        int Edad = Integer.parseInt(paramEdad.getValue().toString());
        String Posicion = paramPosicion.getSelectedItem().toString();

        try {

            CallableStatement cs =
conn.EstablecerConexion().prepareCall(consulta);
            cs.setString(1, Nombre);
            cs.setInt(2, Edad);
            cs.setString(3, Posicion);
            cs.setInt(4, ID);

            cs.execute();
            JOptionPane.showMessageDialog(null, "Se ha editado con
exitos el jugador!");

            MostrarJugador(paramTable);
            paramID.setText(null);
            paramNombre.setText(null);
            paramEdad.setValue(0);


        } catch (Exception ex) {
            JOptionPane.showMessageDialog(null, "Ha ocurrido un error,
no se ha podido editar el jugador: " + ex);
        }

    }
```

```java
    public void SeleccionarJugador(JTable paramTable, JTextField
paramNombre, JSpinner paramEdad, JComboBox paramPosicion, JTextField
paramID) {

        int fila = paramTable.getSelectedRow();

        if (fila >= 0) {
            paramID.setText(paramTable.getValueAt(fila,
0).toString());
            paramNombre.setText(paramTable.getValueAt(fila,
1).toString());

paramEdad.setValue(Integer.parseInt(paramTable.getValueAt(fila,
2).toString()));

paramPosicion.setSelectedItem(String.valueOf(paramTable.getValueAt(fil
a, 3)));
        }

    }

    public void AgregarJugador(JTable paramTable, JTextField
paramNombre, JSpinner paramEdad, JComboBox paramPosicion) {

        String Nombre = paramNombre.getText();
        int Edad = Integer.parseInt(paramEdad.getValue().toString());
        String Posicion = paramPosicion.getSelectedItem().toString();

        String consulta = "insert into Jugadores (Nombre, Edad,
Posicion) values (?, ?, ?)";
        setConnection conn = new setConnection();

        try {
            CallableStatement cs =
conn.EstablecerConexion().prepareCall(consulta);

            cs.setString(1, Nombre);
            cs.setInt(2, Edad);
            cs.setString(3, Posicion);

            cs.execute();
            JOptionPane.showMessageDialog(null, "Se ha agregado de
forma exitosa el jugador!");
            MostrarJugador(paramTable);
            paramNombre.setText(null);
            paramEdad.setValue(0);


        } catch (Exception ex) {

            JOptionPane.showMessageDialog(null, "Ha ocurrido un error,
no se pudo agregar el jugador: " + ex);

        }

    }

    public void MostrarJugador(JTable paramTable){

            setConnection conn = new setConnection();
            String consulta = "";
```

```java
            DefaultTableModel model = new DefaultTableModel();

            model.addColumn("ID");
            model.addColumn("Nombre");
            model.addColumn("Edad");
            model.addColumn("Posicion");

            paramTable.setModel(model);

            consulta = "select * from Jugadores";

            String[] data = new String[4];
            Statement st;

            try {

                st = conn.EstablecerConexion().createStatement();
                ResultSet rs = st.executeQuery(consulta);

                while (rs.next()) {
                    data[0] = rs.getString(1);
                    data[1] = rs.getString(2);
                    data[2] = rs.getString(3);
                    data[3] = rs.getString(4);
                    model.addRow(data);
                }
                paramTable.setModel(model);


            } catch (Exception ex) {

                JOptionPane.showMessageDialog(null, "Ha ocurrido un
error, no se ha podido mostrar elementos en la tabla: " + ex);
            }
        }

    }
```