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Curso: Programación Orientada a Objetos

Enlace: https://github.com/EdwinSarango12/LoginES.git

Capturas del programa

```java
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.*;

public class login {  2 usages   EdwinSarango12
    public JPanel login;  2 usages
    private JPasswordField passwordtxt;  1 usage
    private JTextField logintxt;  1 usage
    private JButton OKButton;  1 usage

    public login() {  1 usage   EdwinSarango12
        OKButton.addActionListener(new ActionListener() {   EdwinSarango12
            @Override   EdwinSarango12
            public void actionPerformed(ActionEvent e) {
                String url = "jdbc:mysql://localhost:3306/estudiantes2024A";
                String username = "root";
                String password = "123456";

                try {
                    String parametro1 = logintxt.getText();
                    String parametro2 = new String(passwordtxt.getPassword());

                    Connection con = DriverManager.getConnection(url, username, password);
                    System.out.println("Conexión exitosa con la base de datos.");

                    String query = "SELECT * FROM estudiantes WHERE usuario = ? AND password =
```

Login.Java

```java
public class LoginManual {   EdwinSarango12
    public static void main(String[] args) {   EdwinSarango12
        JFrame frame = new JFrame( title: "Login");
        frame.setSize( width: 300,  height: 200);
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        JPanel panel = new JPanel();
        frame.add(panel);
        placeComponents(panel);

        frame.setVisible(true);
    }

    private static void placeComponents(JPanel panel) {  1 usage   EdwinSarango12
        panel.setLayout(null);

        JLabel userLabel = new JLabel( text: "User:");
        userLabel.setBounds( x: 10,  y: 20,  width: 80,  height: 25);
        panel.add(userLabel);

        JTextField userText = new JTextField( columns: 20);
        userText.setBounds( x: 100,  y: 20,  width: 165,  height: 25);
        panel.add(userText);

        JLabel passwordLabel = new JLabel( text: "Password:");
        passwordLabel.setBounds( x: 10,  y: 50,  width: 80,  height: 25);
        panel.add(passwordLabel);

        JPasswordField passwordText = new JPasswordField( columns: 20);
        passwordText.setBounds( x: 100,  y: 50,  width: 165,  height: 25);
        panel.add(passwordText);
```

LoginManual.Java

```java
import javax.swing.*;
import java.awt.*;

public class Main {  ± EdwinSarango12
    public static void main(String[] args) {  ± EdwinSarango12

        JFrame frame = new JFrame( title: "Login");
        frame.setContentPane(new login().login);
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize( width: 600, height: 400);
        frame.setPreferredSize(new Dimension( width: 600, height: 400));
        frame.pack();
        frame.setVisible(true);

    }

}
```

Main.Java

```java
public class Bienvenido extends JFrame{  2 usages  ± EdwinSarango12
    public Bienvenido(String nombreUsuario) {  1 usage  ± EdwinSarango12
        // crear panel y componentes
        panel = new JPanel(new BorderLayout());
        welcomeLabel = new JLabel( text: "¡Bienvenido/a, " + nombreUsuario + "!", SwingConstants.CENTER);
        dataTable = new JTable();

        // Agregar componentes al panel
        panel.add(welcomeLabel, BorderLayout.NORTH);
        panel.add(new JScrollPane(dataTable), BorderLayout.CENTER);

        // Agregar el panel al JFrame
        add(panel);

        // Cargar datos en el JTable
        cargarDatos();
    }

    private void cargarDatos() {  1 usage  ± EdwinSarango12
        String url = "jdbc:mysql://localhost:3306/estudiantes2024A";
        String username = "root";
        String password = "123456";

        try (Connection con = DriverManager.getConnection(url, username, password)) {
            String query = "SELECT * FROM estudiantes";
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery(query);

            // Modelo para la tabla
            DefaultTableModel model = new DefaultTableModel(
                    new String[]{"Cedula", "Nombre", "B1", "B2"}, rowCount: 0
            );
```

Bienvenido.Java

```java
package org.example;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class DatabaseConnection {  no usages  ± EdwinSarango12
    private static final String URL = "jdbc:mysql://localhost:3306/tu_base_de_datos";  1 usage
    private static final String USER = "tu_usuario";  1 usage
    private static final String PASSWORD = "tu_contraseña";  1 usage

    public static Connection getConnection() throws SQLException {  no usages  ± EdwinSarango12
        return DriverManager.getConnection(URL, USER, PASSWORD);
    }

}
```

DatabaseConnection