

#Pactical No.5 QWRITE promgram using various swing component design java application to accept student resume

code:::

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
public class StudentResumeForm extends JFrame {
//Swing component
private JLabel nameLabel,addressLabel,phoneLabel,emailLabel,educationLabel;
private JTextField nameField,addressField,phoneField,emailField;
private JTextArea addressArea, educationArea;
private JButton submitButton, resetButton;

public StudentResumeForm(){
    //setting up the form
    setTitle("Student Resume From");
    setSize(500,600);
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setLayout(new GridLayout(10,2,5,5));

    //intialize component
    nameLabel=new JLabel("Name :");
    addressLabel=new JLabel("Address :");
    phoneLabel=new JLabel("Phone Number :");
    emailLabel=new JLabel("Email :");
    educationLabel=new JLabel("Education");

    nameField = new JTextField();
    addressArea = new JTextArea(3, 20);
    phoneField = new JTextField();
    emailField = new JTextField();
    educationArea = new JTextArea(3, 20);

    submitButton = new JButton("Submit");
    resetButton = new JButton("Reset");

    //add component to the frame
    add(nameLabel);
    add(nameField);

    add(addressLabel);
    add(new JScrollPane(addressArea));
    add(phoneLabel);
    add(phoneField);
    add(emailLabel);
    add(emailField);
    add(educationLabel);
    add(new JScrollPane(educationArea));

    add(submitButton);
    add(resetButton);

    //set button actions
    submitButton.addActionListener(new ActionListener() {
        @Override
        public void actionPerformed(ActionEvent e) {
            //logic to handle the form submission
            JOptionPane.showMessageDialog(null,"Resume submit successfully!");
        }
    })
}
```

```

});
resetButton.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        //reset all fields
        nameField.setText("");
        addressArea.setText("");
        phoneField.setText("");
        emailField.setText("");
        educationArea.setText("");
    } });

//make the form visible
setVisible(true);

}
public static void main(String[] args){
    new StudentResumeForm();
}
}

```

The screenshot shows a Java Swing window titled "Student Resume Form". The window has a light gray background and a standard Windows-style title bar with minimize, maximize, and close buttons. Inside the window, there are five text input fields arranged vertically, each preceded by a label: "Name:", "Address:", "Phone Number:", "Email:", and "Education:". Below these fields are two buttons: "Submit" and "Reset", both with a blue gradient and white text.

Practical No.06

#Practical No.06A - write a jdbc program that display data of given table
code...

```

mysql> show tables;
+-----+
| Tables_in_syics41 |
+-----+
| student           |
+-----+
1 row in set (0.02 sec)

mysql> desc student;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| roll           | int(11)       | NO   | PRI | NULL    |       |
| name           | varchar(100)  | NO   |     | NULL    |       |
| address        | varchar(255)  | YES  |     | NULL    |       |
| phone_number   | varchar(15)   | YES  |     | NULL    |       |

```

```
+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)
```

```
mysql> INSERT INTO student (roll, name, address, phone_number) VALUES
-> (1, 'John Doe', '123 Elm St, Springfield', '555-1234'),
-> (2, 'Jane Smith', '456 Oak St, Springfield', '555-5678'),
-> (3, 'Alice Johnson', '789 Pine St, Springfield', '555-8765'),
-> (4, 'Bob Brown', '101 Maple St, Springfield', '555-4321');
```

```
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

```
mysql> select * from student;
```

```
+-----+-----+-----+-----+
| roll | name          | address                      | phone_number |
+-----+-----+-----+-----+
| 1    | John Doe      | 123 Elm St, Springfield    | 555-1234     |
| 2    | Jane Smith    | 456 Oak St, Springfield    | 555-5678     |
| 3    | Alice Johnson | 789 Pine St, Springfield    | 555-8765     |
| 4    | Bob Brown     | 101 Maple St, Springfield   | 555-4321     |
+-----+-----+-----+-----+
```

```
4 rows in set (0.00 sec)
```

```
import java.sql.*;
```

```
public class DisplayTableData {
```

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

```
            // Load the JDBC driver
```

```
            Class.forName("com.mysql.cj.jdbc.Driver"); // Use
"com.mysql.cj.jdbc.Driver" for newer versions
```

```
            // Create a connection to the database
```

```
            Connection conn =
```

```
DriverManager.getConnection("jdbc:mysql://localhost:3306/syys?
useSSL=false&serverTimezone=UTC", "admin", "12345");
```

```
            // Create a statement object
```

```
            Statement statement = conn.createStatement(); // Changed
'connection' to 'conn'
```

```
            // Execute the query
```

```
            ResultSet resultSet = statement.executeQuery("SELECT * FROM
student");
```

```
            // Process the result set
```

```
            int columnCount = resultSet.getMetaData().getColumnCount();
```

```
            while (resultSet.next()) {
```

```
                for (int i = 1; i <= columnCount; i++) {
```

```
                    System.out.print(resultSet.getString(i) + "\t");
```

```
                }
```

```
                System.out.println();
```

```
            }
```

```
            // Close the result set, statement, and connection
```

```
            resultSet.close();
```

```
            statement.close();
```

```
            conn.close(); // Changed 'connection' to 'conn'
```

```
        } catch (Exception e) {
```

```
            e.printStackTrace();
```

```
        }
```

```
    }
```

```
}
```