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

```java
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!");
        }
```

```java
    });
     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();
    }}
```


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

```
mysql> show tables;
+------------------+
| Tables_in_sycs41 |
+------------------+
| 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)
```

```java
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/sycs?
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();
        }
    }
}
```

```
1   John   Doe    johndoe@example.com
2   Jane   Smith  janesmith@example.com
3   Alice  Johnson alicejohnson@example.com
```