JAVA ASSIGNMENT

STUDENT DATA ENTRY AND RETRIEVAL PORTAL

(https://github.com/ShalmonAnandas/school_details_proj.git)

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Code for Frame 1

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;

/**
 *
 * @author Kaustubh
 */
public class login_select extends javax.swing.JFrame {

    /**
     * Creates new form login_select
     */
    public login_select() {
        initComponents();
    }

    /**
     * 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() {

        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N
        jLabel1.setText("Student Details Portal");

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
        jButton1.setText("Student Login");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
        jButton2.setText("Admin Login");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(34, 34, 34)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 401,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 401,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel1))
                .addContainerGap(35, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
```

```
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1)
                .addGap(18, 18, 18)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
74, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
72, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(21, Short.MAX_VALUE))
        );
        pack();
    }// </editor-fold>

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        new frame1().setVisible(true);
        login_select.this.setVisible(false);
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        new admin_login().setVisible(true);
        login_select.this.setVisible(false);
    }
    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

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

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

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

java.util.logging.Logger.getLogger(login_select.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 login_select().setVisible(true);
            }
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    // End of variables declaration
}
```

CODE FOR FRAME 2

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;

/**
 *
 * @author shalmon
 */
public class admin_login extends javax.swing.JFrame {

    /**
     * Creates new form admin_login
     */
    public admin_login() {
        initComponents();
    }

    /**
     * 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() {
```

```
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setBackground(new java.awt.Color(0, 255, 204));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("ADMIN LOGIN");

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel2.setText("Username:");

        jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel3.setText("Password:");

        jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jTextField2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
        jButton1.setText("LOGIN");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

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

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
)
                            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE,                                    337,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(jLabel2)
                                    .addComponent(jLabel3))
                                .addGap(34, 34, 34)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                                    .addComponent(jTextField1)
                                    .addComponent(jTextField2,
javax.swing.GroupLayout.DEFAULT_SIZE, 219, Short.MAX_VALUE)))))
                    .addGroup(layout.createSequentialGroup()
                        .addGap(106, 106, 106)
                        .addComponent(jLabel1)))
                .addContainerGap(25, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1)
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel2)
```

```
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                    .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,      javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(jTextField2))
                .addGap(18, 18, 18)
                .addComponent(jButton1,  javax.swing.GroupLayout.PREFERRED_SIZE,
44, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );


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


    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String user_name = jTextField1.getText();
        String user_pass = jTextField1.getText();
        String user_name_data = null;
        String user_pass_data = null;


        try{
            //initialize jdbc driver
            Class.forName("com.mysql.cj.jdbc.Driver");
            System.out.println("Registered");


            //connecting with mysql database
            Connection con;

con=DriverManager.getConnection("jdbc:mysql://localhost/student_details","root"
,"Anandas!#66");
            System.out.println("Connection Successful");
            Statement smt;
            smt = con.createStatement();
```

```
            //create statement to retrieve sr_no
            String query = "SELECT admin_name, admin_pass from admin_login";

            //execute retreive statement
            ResultSet rs = smt.executeQuery(query);

            //check if record exists
            while(rs.next()){
                user_name_data = rs.getString("admin_name");
                user_pass_data = rs.getString("admin_pass");

                if(user_name.equals(user_name_data) &&
user_pass.equals(user_pass_data)){
                    new frame2().setVisible(true);
                    admin_login.this.setVisible(false);
                }
                else{
                    JOptionPane.showMessageDialog(jButton1, "The username or
password is incorrect");
                }
            }
        }
        //catch statements
        catch(SQLException se){
            se.printStackTrace();
        }
        catch(Exception e){
            e.printStackTrace();
        }
    }

    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(admin_login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(admin_login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(admin_login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(admin_login.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 admin_login().setVisible(true);
            }
        });
    }
```

```
    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}
```

CODE FOR FRAME 3

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;

/**
 *
 * @author Liza
 */
import java.sql.*;
import javax.swing.JOptionPane;
public class frame2 extends javax.swing.JFrame {

    /**
     * Creates new form frame2
     */
    public frame2() {
        initComponents();
    }

    /**
     * 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() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
```

```
        jButton1 = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("Create Login Details");

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel2.setText("Username:");

        jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel3.setText("Password:");

        jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel4.setText("Confirm Password:");

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setText("SUBMIT");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        jTextField2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
        jTextField3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N


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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,                                    347,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
)
                            .addComponent(jLabel4)
                            .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.LEADING))
                        .addGap(40, 40, 40)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                            .addComponent(jTextField3,
javax.swing.GroupLayout.DEFAULT_SIZE, 159, Short.MAX_VALUE)
                            .addComponent(jTextField2)
                            .addComponent(jTextField1))))
                .addContainerGap(20, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jLabel1)
                .addGap(74, 74, 74))
        );
        layout.setVerticalGroup(
```

```
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1)
                .addGap(18, 18, 18)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2))
                .addGap(18, 18, 18)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jLabel3)
                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jLabel4)
                    .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE,   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );

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

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        //getting values from
        String user_name = jTextField1.getText();
```

```
        String user_pass = jTextField2.getText();
        String pass_conf = jTextField3.getText();

        if(user_pass.equals(pass_conf)){
            try{
                //initialize jdbc driver
                Class.forName("com.mysql.cj.jdbc.Driver");
                System.out.println("Registered");

                //connecting with mysql database
                Connection con;
                Statement smt;

con=DriverManager.getConnection("jdbc:mysql://localhost/student_details","root"
,"Anandas!#66");
                System.out.println("Connection Successful");

                //creating statement for inserting values in database
                smt=con.createStatement();
                String sql = "insert into login_details values(NULL,'" +
user_name + "', '" + user_pass +"')";
                smt.executeUpdate(sql);

                //close statment and con
                smt.close();
                con.close();

                //transition to next frame
                new frame3().setVisible(true);
                frame2.this.setVisible(false);
                }
                //catch statements
                catch(SQLException se){
                    se.printStackTrace();
                }
                catch(Exception e){
                    e.printStackTrace();
```

```
                }
        }
        //error handling if passwords dont match
        else{
            JOptionPane.showMessageDialog(jButton1, "PASSWORDS DONT MATCH");
        }
    }


    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(frame2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(frame2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(frame2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(frame2.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        }
        //</editor-fold>


        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frame2().setVisible(true);
            }
        });
    }


    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    // End of variables declaration
}
```

CODE FOR FRAME 4

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;
/**
 *
 * @author Liza
 */
import java.sql.*;
import javax.swing.JOptionPane;
public class frame3 extends javax.swing.JFrame {

    /**
     * Creates new form Frame3
     */
    public frame3() {
        initComponents();
    }

    /**
     * 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() {

        buttonGroup1 = new javax.swing.ButtonGroup();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
```

```
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jRadioButton1 = new javax.swing.JRadioButton();
        jRadioButton2 = new javax.swing.JRadioButton();
        jRadioButton3 = new javax.swing.JRadioButton();
        jRadioButton4 = new javax.swing.JRadioButton();
        jLabel7 = new javax.swing.JLabel();
        jTextField5 = new javax.swing.JTextField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("Enter Student Course Details");

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel2.setText("First Name:");

        jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel3.setText("Father's Name:");

        jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel4.setText("Mother's Name:");

        jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel5.setText("Course:");

        jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel6.setText("Final Grade:");

        jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
```

```
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField1ActionPerformed(evt);
        }
    });

    jTextField2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jTextField3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jTextField4.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jButton1.setText("SUBMIT");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    buttonGroup1.add(jRadioButton1);
    jRadioButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
    jRadioButton1.setText("Bioinformatics");
    jRadioButton1.setActionCommand("Bioinformatics");

    buttonGroup1.add(jRadioButton2);
    jRadioButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
    jRadioButton2.setText("Microbiology");
    jRadioButton2.setActionCommand("Microbiology");

    buttonGroup1.add(jRadioButton3);
    jRadioButton3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
    jRadioButton3.setText("Biotechnology");
    jRadioButton3.setActionCommand("Biotechnology");

    buttonGroup1.add(jRadioButton4);
    jRadioButton4.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
        jRadioButton4.setText("Chemistry");
        jRadioButton4.setActionCommand("Chemistry");

        jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel7.setText("Last Name:");

        jTextField5.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(26, 26, 26)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jTextField4,
javax.swing.GroupLayout.PREFERRED_SIZE, 262,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 427,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel4)
                            .addComponent(jLabel3)
                            .addComponent(jLabel5)
                            .addComponent(jLabel7)
                            .addComponent(jLabel2))
                        .addGap(41, 41, 41)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                            .addComponent(jTextField1)
                            .addComponent(jTextField2,
javax.swing.GroupLayout.DEFAULT_SIZE, 262, Short.MAX_VALUE)
                            .addComponent(jTextField3)
                            .addComponent(jRadioButton2)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                                .addComponent(jRadioButton1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(jRadioButton4)
                                    .addComponent(jRadioButton3))
                                .addGap(10, 10, 10))
                            .addComponent(jTextField5))))
                .addContainerGap(22, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jLabel1)
                .addGap(61, 61, 61))
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1)
                .addGap(27, 27, 27)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jLabel2)
```

```
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))


.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)


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

                    .addComponent(jTextField5,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jLabel7))

                .addGap(18, 18, 18)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)

                    .addComponent(jLabel3)

                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))


.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)


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

                    .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jLabel4))

                .addGap(18, 18, 18)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)

                    .addComponent(jRadioButton4)

                    .addComponent(jRadioButton1)

                    .addComponent(jLabel5))

                .addGap(18, 18, 18)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)

                    .addComponent(jRadioButton2)

                    .addComponent(jRadioButton3))

                .addGap(18, 18, 18)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jLabel6)
                    .addComponent(jTextField4,
javax.swing.GroupLayout.PREFERRED_SIZE,   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
43, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(25, 25, 25))
        );

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

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        //getting values from
        String stu_name = jTextField1.getText() +" "+ jTextField5.getText();
        String fat_name = jTextField2.getText() + " "+ jTextField5.getText();
        String mot_name = jTextField3.getText() + " "+ jTextField5.getText();
        String course = buttonGroup1.getSelection().getActionCommand();
        String grade = jTextField4.getText();

        try{
            //initialize jdbc driver
            Class.forName("com.mysql.cj.jdbc.Driver");
            System.out.println("Registered");

            //connecting with mysql database
            Connection con;
            Statement smt;

            con=DriverManager.getConnection("jdbc:mysql://localhost/student_deta
            ils","root","Anandas!#66");
            System.out.println("Connection Successful");

            //creating statement for inserting values in database
            smt=con.createStatement();
```

```
            String sql = "insert into student_details values(NULL, '"+stu_name+"',
'"+fat_name+"', '"+mot_name+"', '"+course+"', '"+grade+"')";
            smt.executeUpdate(sql);


            //close statment and con
            smt.close();
            con.close();


            //transition to next frame
            new marks().setVisible(true);
            frame3.this.setVisible(false);
        }
        //catch statements
        catch(SQLException se){
            se.printStackTrace();
        }
        catch(Exception e){
            e.printStackTrace();
        }
    }


    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
```

```
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(frame3.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(frame3.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(frame3.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(frame3.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frame3().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.ButtonGroup buttonGroup1;
    private javax.swing.JButton jButton1;
    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.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JRadioButton jRadioButton1;
    private javax.swing.JRadioButton jRadioButton2;
    private javax.swing.JRadioButton jRadioButton3;
    private javax.swing.JRadioButton jRadioButton4;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    private javax.swing.JTextField jTextField4;
    private javax.swing.JTextField jTextField5;
    // End of variables declaration
}
```

CODE FOR FRAME 5

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;

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

/**
 *
 * @author Shalmon
 */
public class marks extends javax.swing.JFrame {

    /**
     * Creates new form marks
     */
    public marks() {
        initComponents();
    }

    /**
     * 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() {
```

```
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("Enter Student Marks");

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel2.setText("Paper 1:");

        jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel3.setText("Paper 2:");

        jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel4.setText("Paper 3:");

        jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel5.setText("Paper 4:");

        jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jTextField2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jTextField3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

        jTextField4.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setText("SUBMIT");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

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

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                            .addGroup(layout.createSequentialGroup()
                                .addComponent(jLabel2)
                                .addGap(18, 18, 18)
                                .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 261,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                                .addComponent(jLabel3)
                                .addGap(18, 18, 18)
                                .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 261,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(layout.createSequentialGroup()
                                .addComponent(jLabel4)
                                .addGap(18, 18, 18)
                                .addComponent(jTextField3))
```

```
                            .addGroup(layout.createSequentialGroup()
                                .addComponent(jLabel5)
                                .addGap(18, 18, 18)
                                .addComponent(jTextField4))
                            .addComponent(jButton1,
javax.swing.GroupLayout.DEFAULT_SIZE,     javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
                    .addGroup(layout.createSequentialGroup()
                        .addGap(76, 76, 76)
                        .addComponent(jLabel1)))
                .addContainerGap(24, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1)
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel2)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jLabel3)
                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel4)
                    .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel5)
                    .addComponent(jTextField4,
javax.swing.GroupLayout.PREFERRED_SIZE,   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addComponent(jButton1,  javax.swing.GroupLayout.PREFERRED_SIZE,
48,  javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );


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


    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String paper1_marks = jTextField1.getText();
        String paper2_marks = jTextField2.getText();
        String paper3_marks = jTextField3.getText();
        String paper4_marks = jTextField4.getText();


        try{
        //initialize jdbc driver
        Class.forName("com.mysql.cj.jdbc.Driver");
        System.out.println("Registered");


        //connecting with mysql database
        Connection con;
        Statement smt;

con=DriverManager.getConnection("jdbc:mysql://localhost/student_details","root"
,"Anandas!#66");
        System.out.println("Connection Successful");


        //creating statement for inserting values in database
        smt=con.createStatement();
        String sql = "insert into student_marks values(NULL, '"+paper1_marks+"',
'"+paper2_marks+"', '"+paper3_marks+"', '"+paper4_marks+"' )";
```

```
        smt.executeUpdate(sql);


        //close statment and con
        smt.close();
        con.close();


        //transition to next frame
        JOptionPane.showMessageDialog(jButton1, "All the details have been successfully entered");
        marks.this.setVisible(false);
        }
        //catch statements
        catch(SQLException se){
            se.printStackTrace();
        }
        catch(Exception e){
            e.printStackTrace();
        }
    }


    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
```

```
                }
            }
        } catch (ClassNotFoundException ex) {

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

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

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

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


    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    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.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
```

```
    private javax.swing.JTextField jTextField4;
    // End of variables declaration
}
```

CODE FOR FRAME 6

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

/**
 *
 * @author Shalmon
 */

public class frame1 extends javax.swing.JFrame {

    /**
     * Creates new form frame1
     */
    public frame1() {
        initComponents();
    }

    public void frame_1(String user_name, String user_pass){
        //declaring variables
        int sr_no = 0;
        String stu_name = null;
        String fat_name = null;
        String mot_name = null;
```

```
        String course = null;
        String grade = null;

        //start of code
        try{
            //initialize jdbc driver
            Class.forName("com.mysql.cj.jdbc.Driver");
            System.out.println("Registered");

            //connecting with mysql database
            Connection con;
con=DriverManager.getConnection("jdbc:mysql://localhost/student_details","root"
,"Anandas!#66");
            System.out.println("Connection Successful");
            Statement smt;
            smt = con.createStatement();

            //create statement to retrieve sr_no
            String query = "SELECT sr_no, user_pass FROM login_details WHERE
user_name='" + user_name+"'";

            //execute retreive statement
            ResultSet rs = smt.executeQuery(query);

            //check if record exists
            System.out.println("Records Exists = " + rs.next());

            //assign the sr_no value
            sr_no = rs.getInt("sr_no");

            //close the first resultset
            rs.close();

            //show which record is being accessed
            System.out.println(sr_no);
```

```
            //make statement to retrieve data from student_details
            String sql = "SELECT stu_name, fat_name, mot_name, course, grade from
student_details WHERE sr_no='"+sr_no+"'";

            //execute retrieve statement
            ResultSet rs2 = smt.executeQuery(sql);

            //confirmation
            System.out.println("data retrieved");

            //put the data into variables
            rs2.next();
            stu_name = rs2.getString("stu_name");
            fat_name = rs2.getString("fat_name");
            mot_name = rs2.getString("mot_name");
            course = rs2.getString("course");
            grade = rs2.getString("grade");

            new      frame4(stu_name,      fat_name,      mot_name,      course,
grade).setVisible(true);

        }
        //catch statements
        catch(SQLException se){
            se.printStackTrace();
        }
        catch(Exception e){
            e.printStackTrace();
        }
    }


    /**
     * 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() {

    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    jTextField2 = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel1.setText("STUDENT LOGIN");

    jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel2.setText("Username:");

    jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel3.setText("Password:");
    jLabel3.setToolTipText("");

    jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jTextField2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

    jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jButton1.setText("LOGIN");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
```

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

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(28, 28, 28)

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(jLabel2)
                                    .addComponent(jLabel3))
                                .addGap(46, 46, 46)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                                    .addComponent(jTextField2,
javax.swing.GroupLayout.DEFAULT_SIZE, 230, Short.MAX_VALUE)
                                    .addComponent(jTextField1)))
                            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 360,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(layout.createSequentialGroup()
                        .addGap(105, 105, 105)
                        .addComponent(jLabel1)))
                .addContainerGap(25, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(18, 18, 18)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,     javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,    javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,     javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                .addGap(25, 25, 25)
                .addComponent(jButton1,  javax.swing.GroupLayout.PREFERRED_SIZE,
39, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );

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

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String user_name = jTextField1.getText();
        String user_pass = jTextField2.getText();
        String pass = null;
        try{
            //initialize jdbc driver
            Class.forName("com.mysql.cj.jdbc.Driver");
            System.out.println("Registered");

            //connecting with mysql database
            Connection con;

con=DriverManager.getConnection("jdbc:mysql://localhost/student_details","root"
,"Anandas!#66");
```

```
            System.out.println("Connection Successful");
            Statement smt;
            smt = con.createStatement();

            //create statement to retrieve sr_no
            String query = "SELECT sr_no, user_pass FROM login_details WHERE
user_name='" + user_name+"'";

            //execute retreive statement
            ResultSet rs = smt.executeQuery(query);

            //check if record exists
            System.out.println("Records Exists = " + rs.next());

            //assign the sr_no value
            pass = rs.getString("user_pass");

            //close the first resultset
            rs.close();

            //show which record is being accessed
            System.out.println(pass);

            //confirmation
            System.out.println("data retrieved");
        }
        //catch statements
        catch(SQLException se){
            se.printStackTrace();
        }
        catch(Exception e){
            e.printStackTrace();
        }

        if(user_pass.equals(pass)){
            frame1 fr1 =  new frame1();
```

```
            fr1.frame_1(user_name, user_pass);
            frame1.this.setVisible(false);
        }
        else{
            JOptionPane.showMessageDialog(jButton1, "The username or password is incorrect");
        }

    }

    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(frame1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(frame1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(frame1.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(frame1.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frame1().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}
```

CODE FOR FRAME 7

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;

/**
 *
 * @author Rucha
 */
import java.sql.*;
import javax.swing.JOptionPane;
public class frame4 extends javax.swing.JFrame {

    /**
     * Creates new form frame4
     */
    public frame4() {
        initComponents();
    }

    public String paper1 = null;
    public String paper2 = null;
    public String paper3 = null;
    public String paper4 = null;

    public frame4(String name, String father, String mother, String course, String grade) {
        initComponents();
        jLabel7.setText(name);
        jLabel8.setText(father);
        jLabel9.setText(mother);
        jLabel10.setText(course);
        jLabel11.setText(grade);
```

```
        int sr_no = 0;
        //start of code
        try{
            //initialize jdbc driver
            Class.forName("com.mysql.cj.jdbc.Driver");
            System.out.println("Registered");

            //connecting with mysql database
            Connection con;
con=DriverManager.getConnection("jdbc:mysql://localhost/student_details","root"
,"Anandas!#66");
            System.out.println("Connection Successful");
            Statement smt;
            smt = con.createStatement();

            //create statement to retrieve sr_no
            String query = "SELECT sr_no FROM student_details WHERE stu_name='"
+ name +"'";

            //execute retreive statement
            ResultSet rs = smt.executeQuery(query);

            //check if record exists
            System.out.println("Records Exists = " + rs.next());

            //assign the sr_no value
            sr_no = rs.getInt("sr_no");

            //close the first resultset
            rs.close();

            //show which record is being accessed
            System.out.println("sr_no");

            //make statement to retrieve data from student_marks
            String sql = "SELECT paper1, paper2, paper3, paper4 FROM
student_marks WHERE sr_no='" + sr_no + "'";
```

```
            //execute retrieve statement
            ResultSet rs2 = smt.executeQuery(sql);

            //check if record exists
            System.out.println("Records Exists = " + rs2.next());

            //confirmation
            System.out.println("data retrieved");

            //put the data into variables
            paper1 = rs2.getString("paper1");
            paper2 = rs2.getString("paper2");
            paper3 = rs2.getString("paper3");
            paper4 = rs2.getString("paper4");

            new show_marks(paper1, paper2, paper3, paper4);
        }
        //catch statements
        catch(SQLException se){
            se.printStackTrace();
        }
        catch(Exception e){
            e.printStackTrace();
        }
    }

    /**
     * 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() {
```

```
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("STUDENT DETAILS");

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel2.setText("Name:");

        jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel3.setText("Father's Name:");

        jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel4.setText("Mother's Name:");

        jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel5.setText("Course Opted:");

        jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel6.setText("Final Grade:");

        jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel7.setText("jLabel7");
```

```
        jLabel8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel8.setText("jLabel8");

        jLabel9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel9.setText("jLabel9");

        jLabel10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel10.setText("jLabel10");

        jLabel11.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel11.setText("jLabel11");

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setText("SHOW MARKS");
        jButton1.setToolTipText("");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

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

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

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel2)
                            .addComponent(jLabel3)
                            .addComponent(jLabel4)
                            .addComponent(jLabel5)
```

```
                            .addComponent(jLabel6))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(layout.createSequentialGroup()
                                .addGap(38, 38, 38)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                                    .addComponent(jLabel8,
javax.swing.GroupLayout.DEFAULT_SIZE,     javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                    .addComponent(jLabel9,
javax.swing.GroupLayout.DEFAULT_SIZE,     javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                    .addComponent(jLabel10,
javax.swing.GroupLayout.DEFAULT_SIZE, 210, Short.MAX_VALUE)
                                    .addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE,     javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                                .addGap(0, 0, Short.MAX_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(jLabel7,
javax.swing.GroupLayout.PREFERRED_SIZE,                                    210,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addComponent(jButton1,
javax.swing.GroupLayout.DEFAULT_SIZE,     javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                .addContainerGap())
            .addGroup(layout.createSequentialGroup()
                .addGap(79, 79, 79)
                .addComponent(jLabel1)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );
        layout.setVerticalGroup(

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

```
                .addComponent(jLabel1)
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                    .addComponent(jLabel2)
                    .addComponent(jLabel7))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel3)
                    .addComponent(jLabel8))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel4)
                    .addComponent(jLabel9))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel5)
                    .addComponent(jLabel10))
                .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel6)
                    .addComponent(jLabel11))
                .addGap(18, 18, 18)
                .addComponent(jButton1,    javax.swing.GroupLayout.DEFAULT_SIZE,
31, Short.MAX_VALUE)
                .addContainerGap())
        );

        jLabel7.getAccessibleContext().setAccessibleDescription("");

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

```
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        new show_marks(paper1,paper2,paper3,paper4).setVisible(true);
    }


    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(frame4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(frame4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(frame4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(frame4.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 frame4().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    // End of variables declaration
}
```

CODE FOR PRAME 8

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package school_details_code;

/**
 *
 * @author Vidhi
 */
public class show_marks extends javax.swing.JFrame {

    /**
     * Creates new form show_marks
     */
    public show_marks() {
        initComponents();
    }

    public show_marks(String paper1, String paper2, String paper3, String paper4){
        initComponents();
        jLabel6.setText(paper1+ "/100");
        jLabel7.setText(paper2+ "/100");
        jLabel8.setText(paper3+ "/100");
        jLabel9.setText(paper4+ "/100");
    }

    /**
     * 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() {

    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel1.setText("MARKS");

    jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel2.setText("Paper 1:");

    jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel3.setText("Paper 2:");

    jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel4.setText("Paper 3:");

    jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel5.setText("Paper 4:");

    jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel6.setText("jLabel6");

    jLabel7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel7.setText("jLabel7");
```

```
        jLabel8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel8.setText("jLabel8");

        jLabel9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel9.setText("jLabel9");

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(28, 28, 28)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
)
                    .addComponent(jLabel8)
                    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
)
                            .addComponent(jLabel3)
                            .addComponent(jLabel2)
                            .addComponent(jLabel4)
                            .addComponent(jLabel5))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(layout.createSequentialGroup()
                                .addGap(46, 46, 46)
                                .addComponent(jLabel9))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(jLabel7,
javax.swing.GroupLayout.Alignment.TRAILING)
```

```
                                        .addComponent(jLabel6,
javax.swing.GroupLayout.Alignment.TRAILING)))))
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(jLabel1)
                            .addGap(38, 38, 38)))
                    .addContainerGap(46, Short.MAX_VALUE))
            );
            layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jLabel1)
                    .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                        .addComponent(jLabel2)
                        .addComponent(jLabel6))
                    .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                        .addComponent(jLabel3)
                        .addComponent(jLabel7))
                    .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                        .addComponent(jLabel4)
                        .addComponent(jLabel8))
                    .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
                        .addComponent(jLabel5)
                        .addComponent(jLabel9))
                    .addContainerGap(21, Short.MAX_VALUE))
            );
```

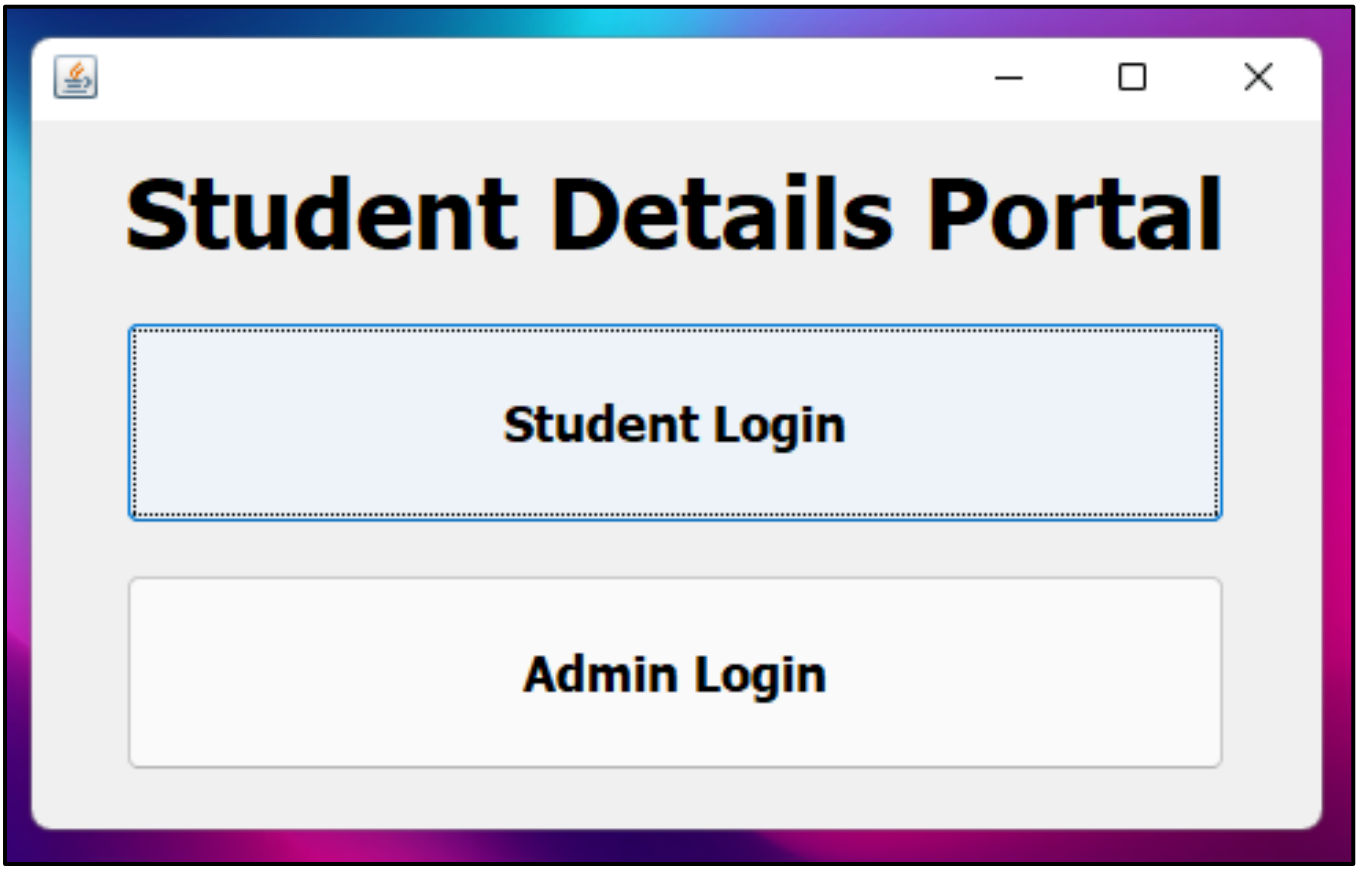
```
        pack();
    }// </editor-fold>


    /**
     * @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 ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(show_marks.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(show_marks.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(show_marks.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(show_marks.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
```

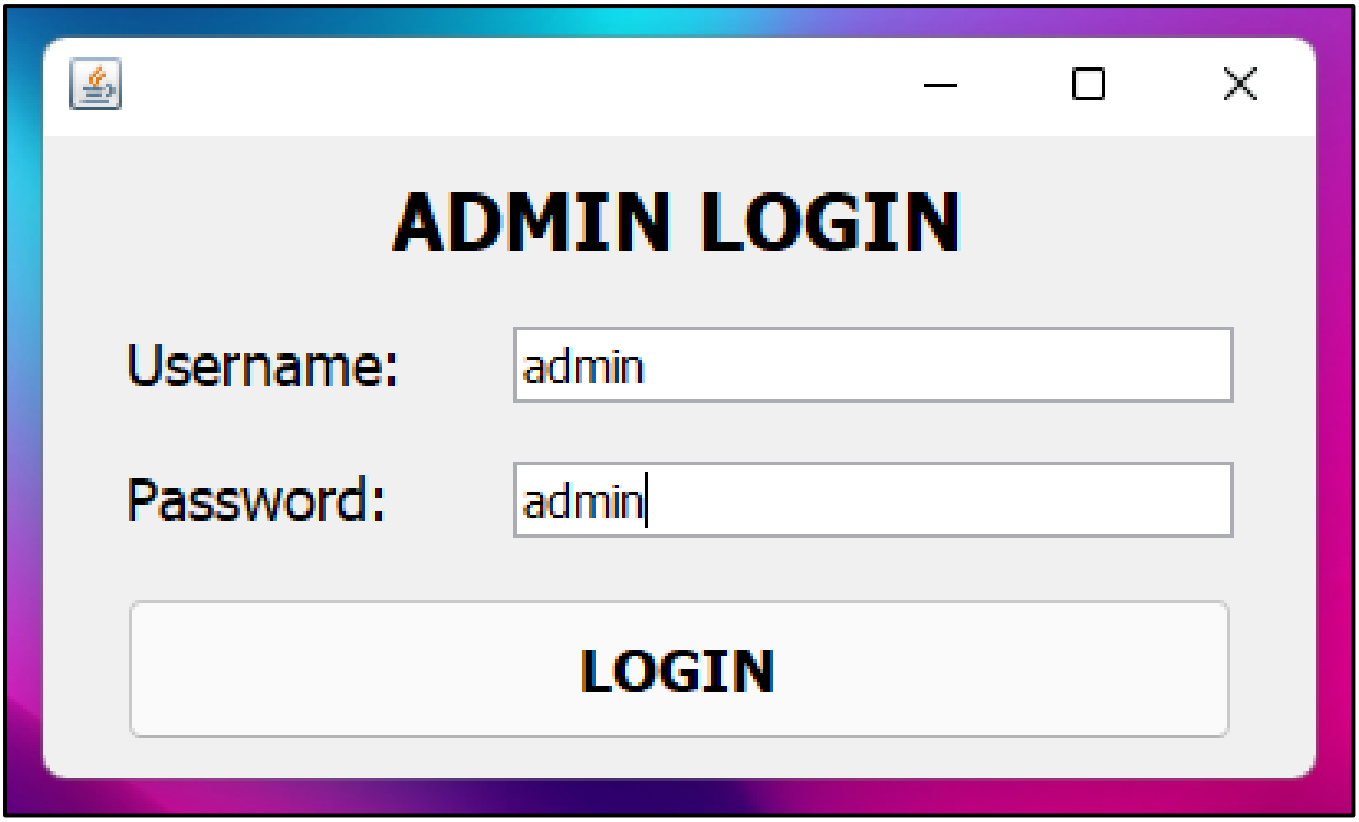
```
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new show_marks().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    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.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    // End of variables declaration
}
```

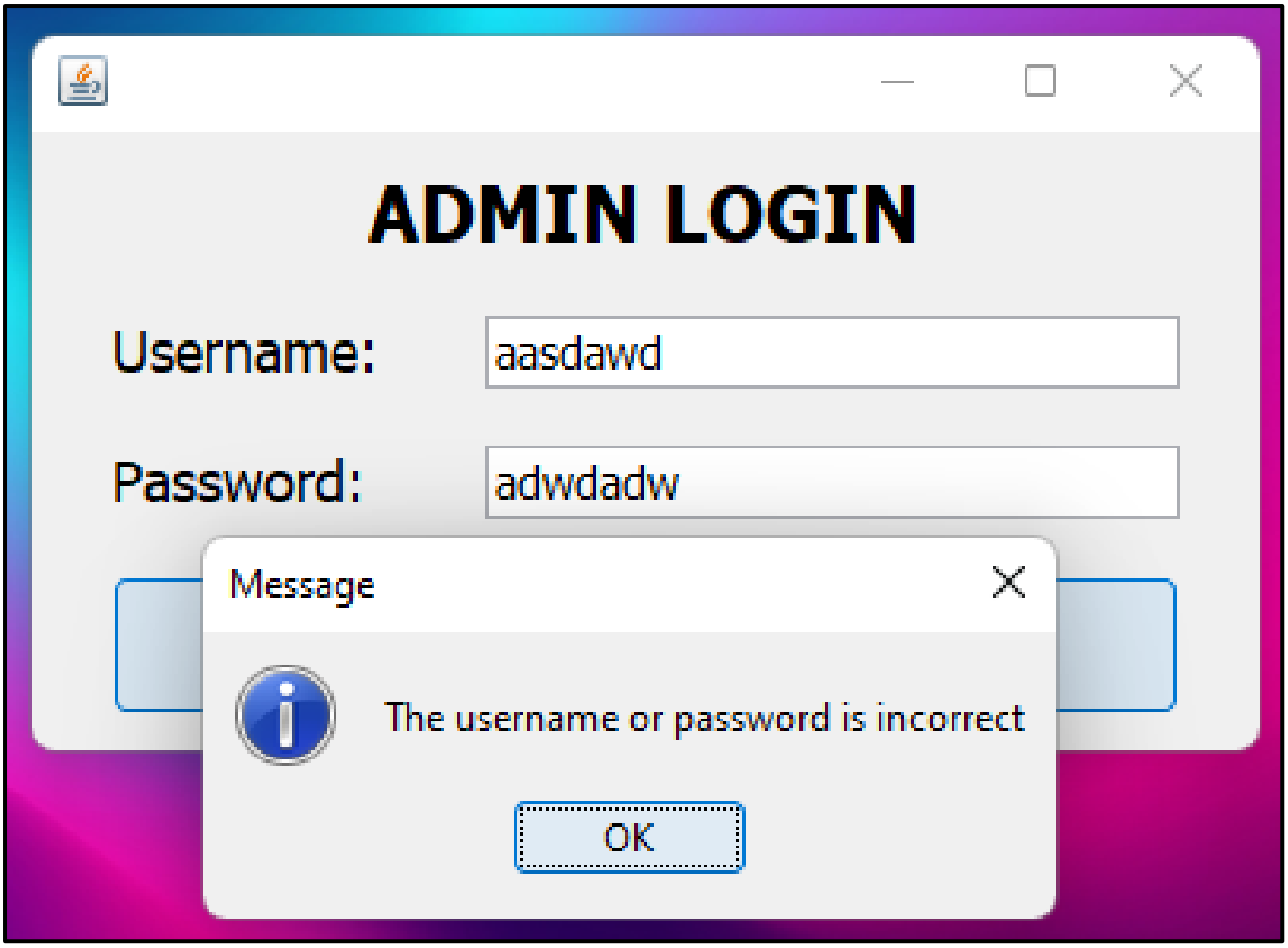
GUI APPLICATION



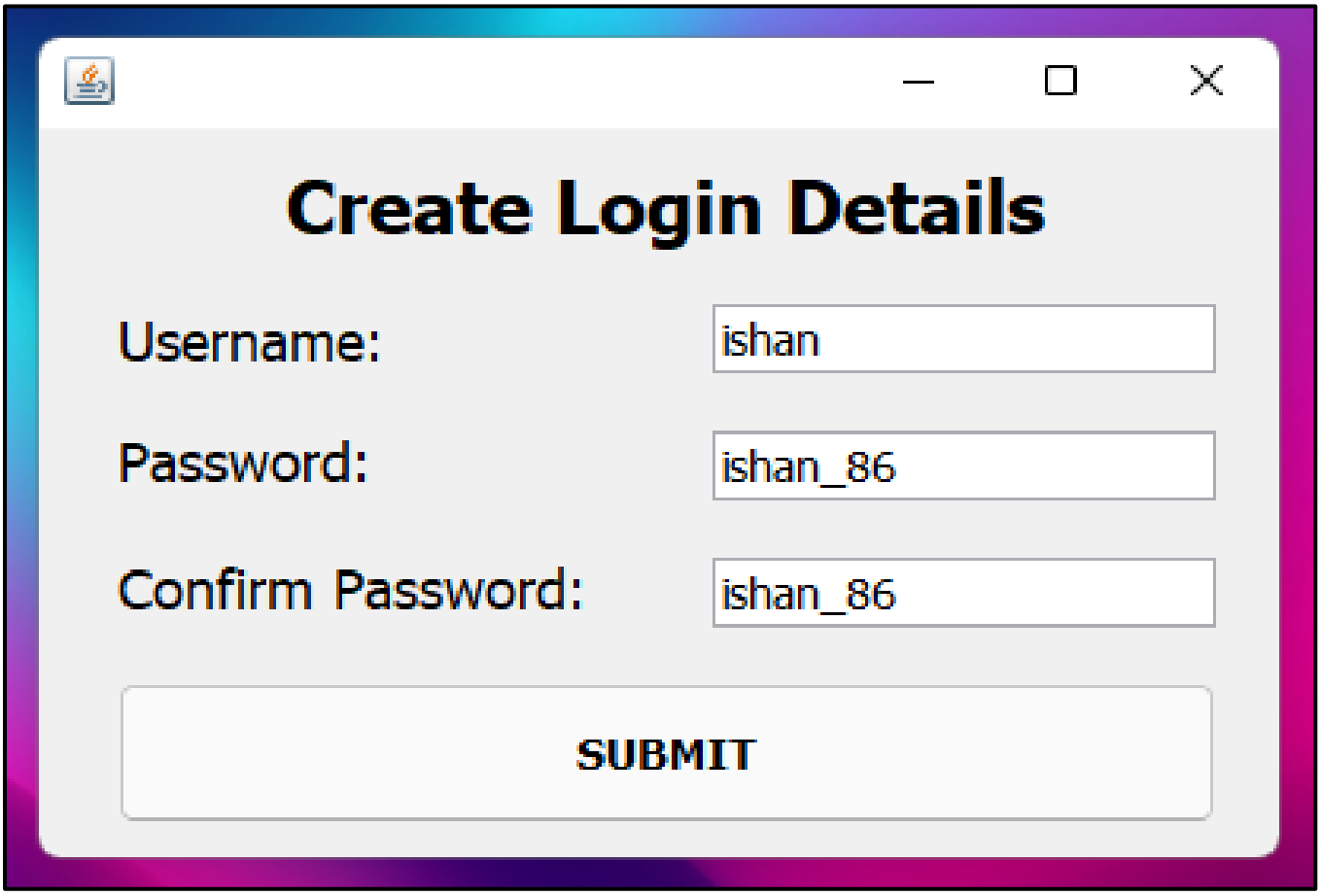
Frame 1: Login type selection



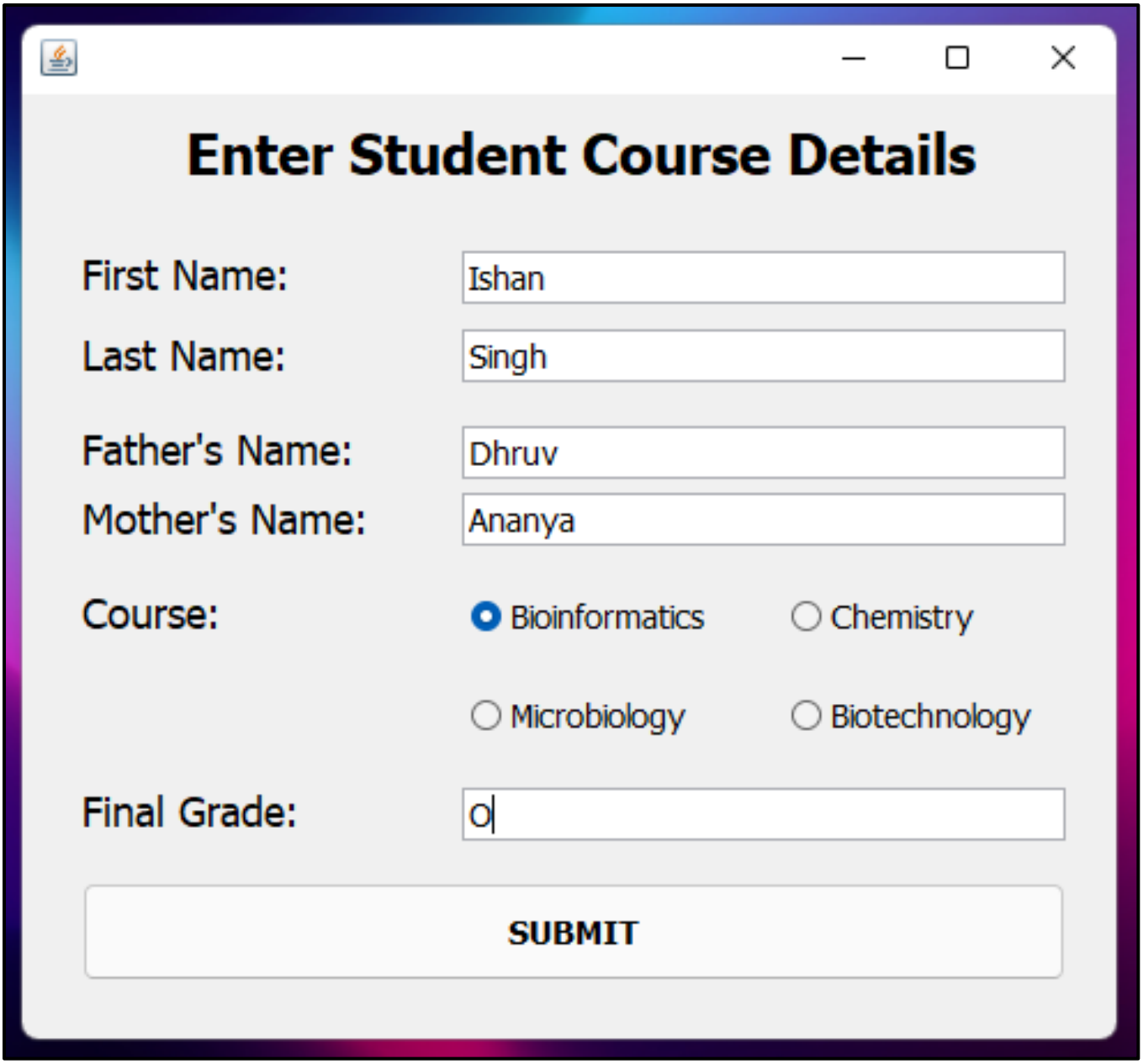
Frame 2: Admin Login



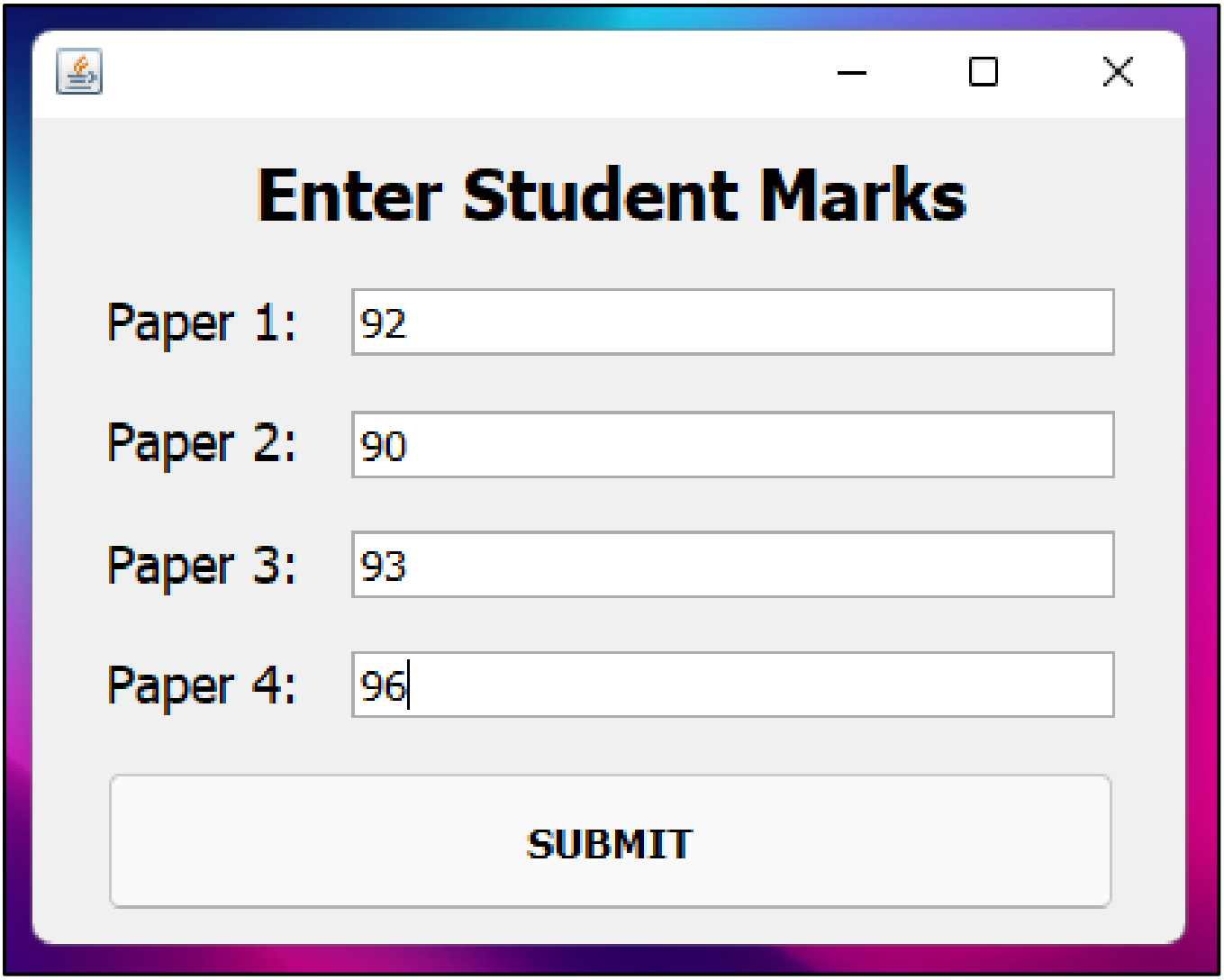
Frame 2.2: Error when the wrong username or password is entered (admin)



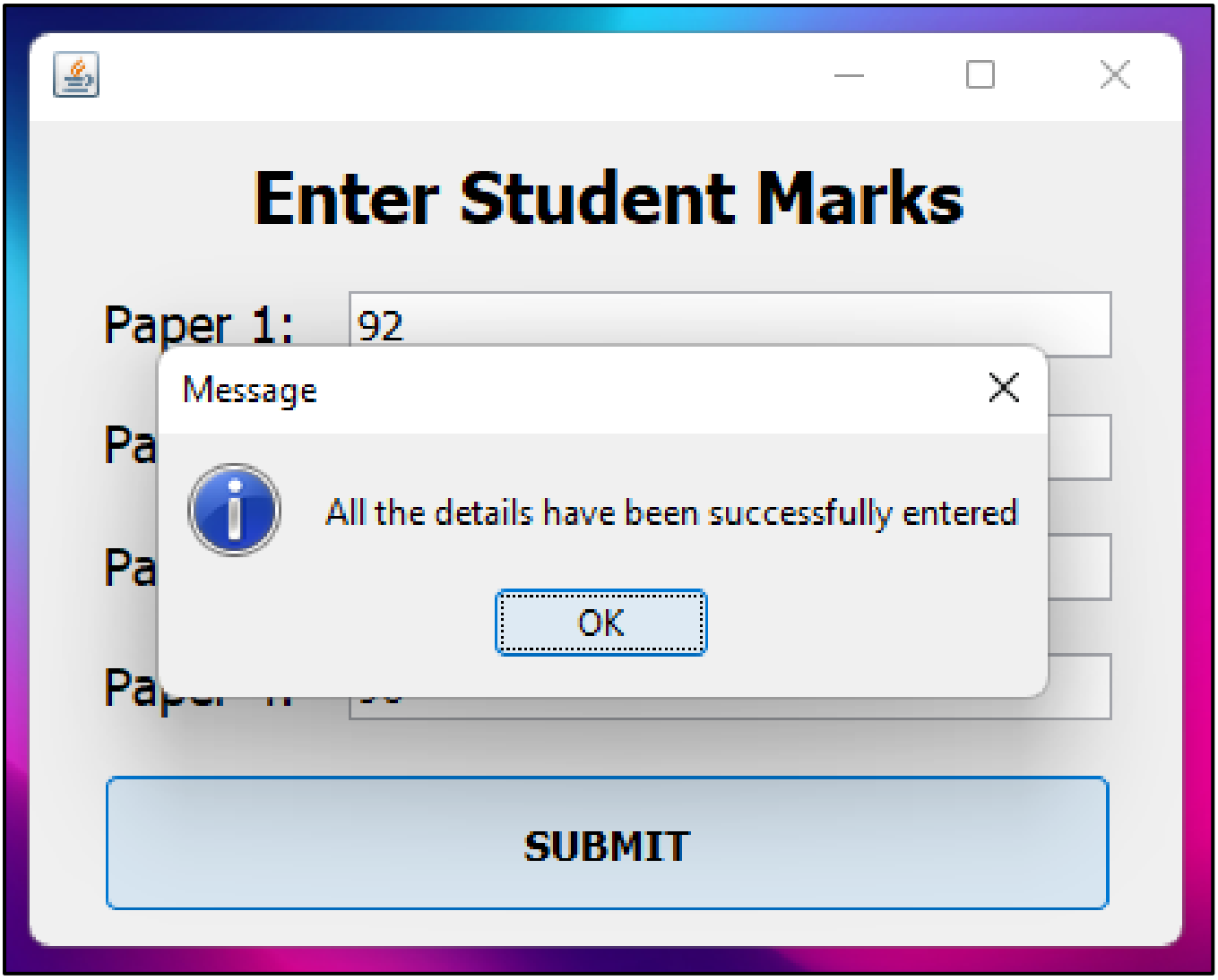
Frame 3: Creating Login Details for Student



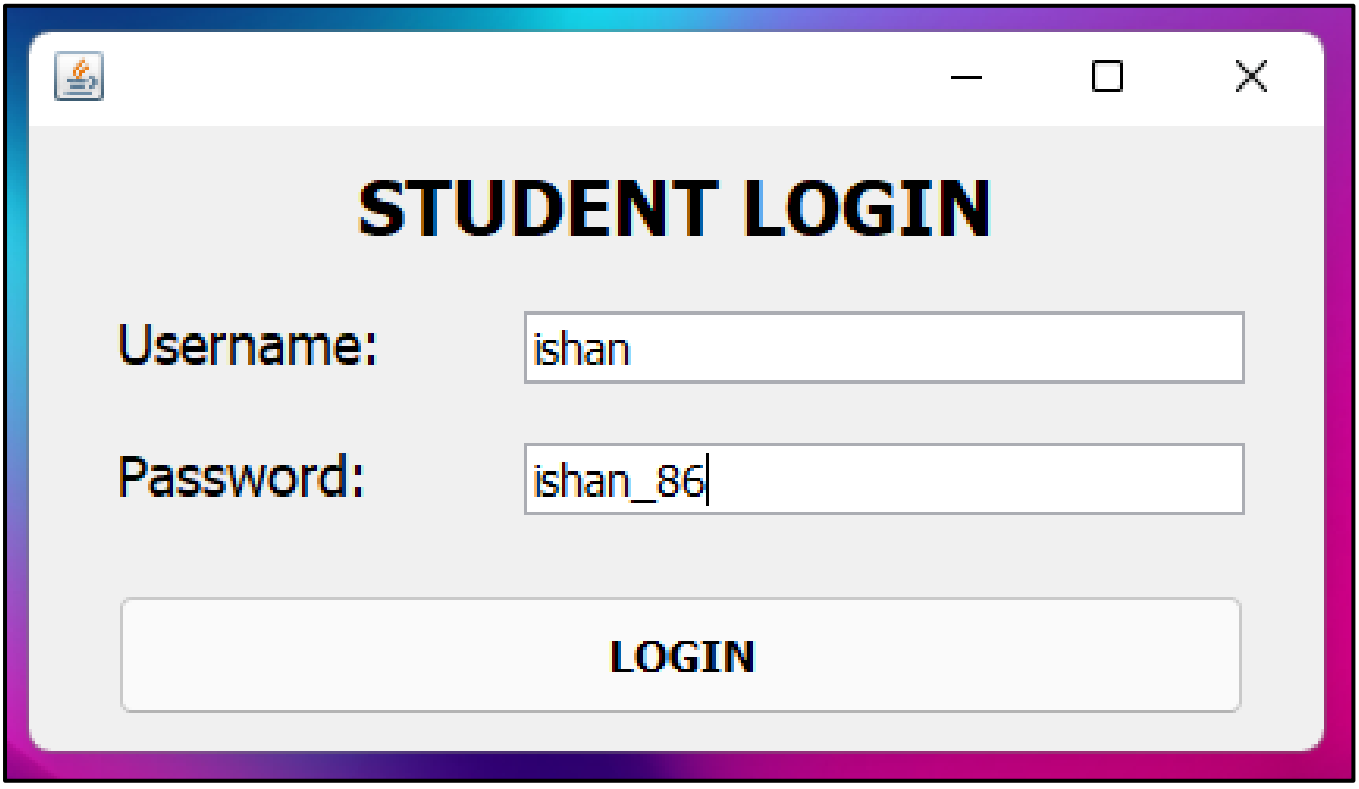
Frame 4: Entering Student details



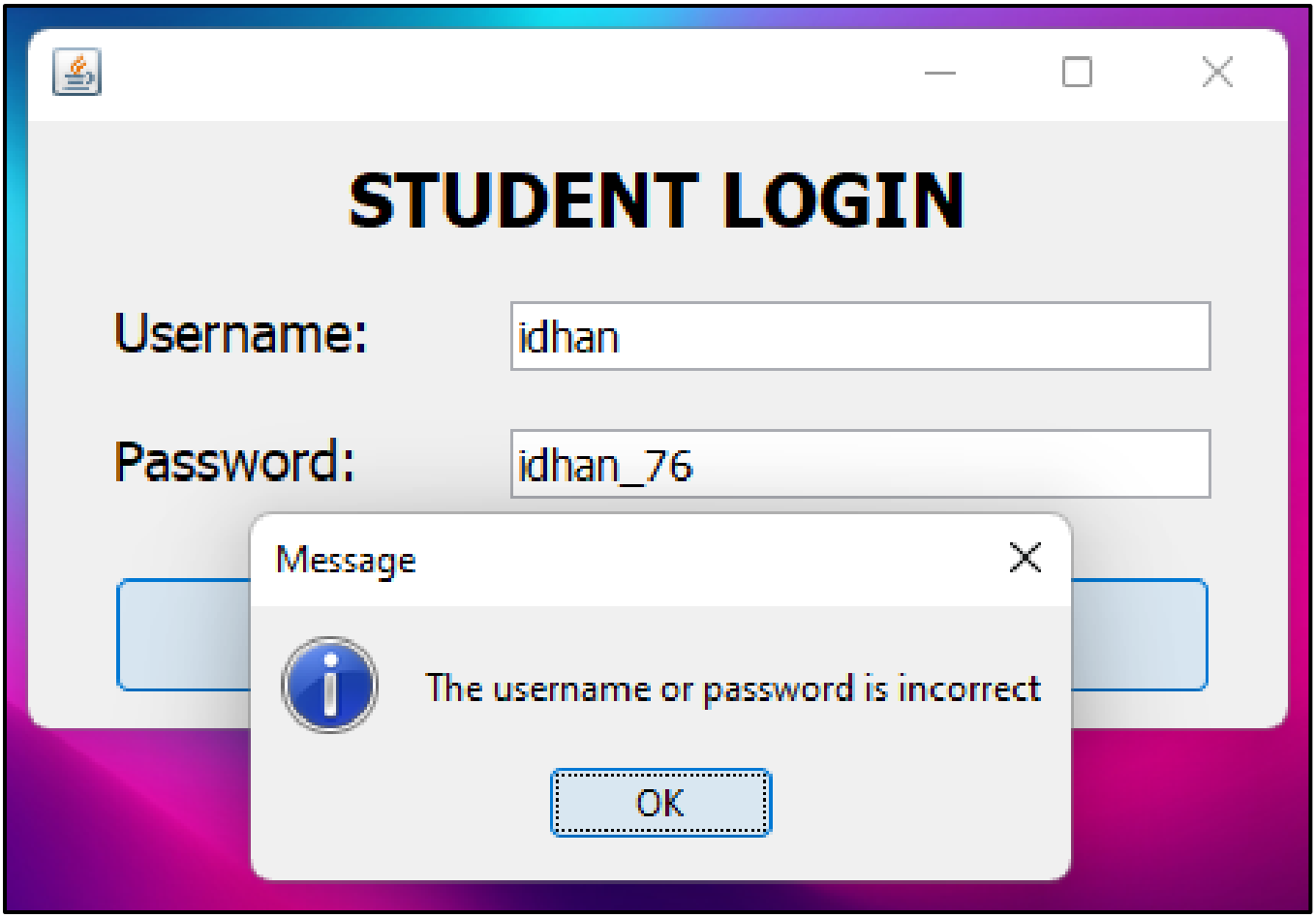
Frame 5.1: Entering Student Marks



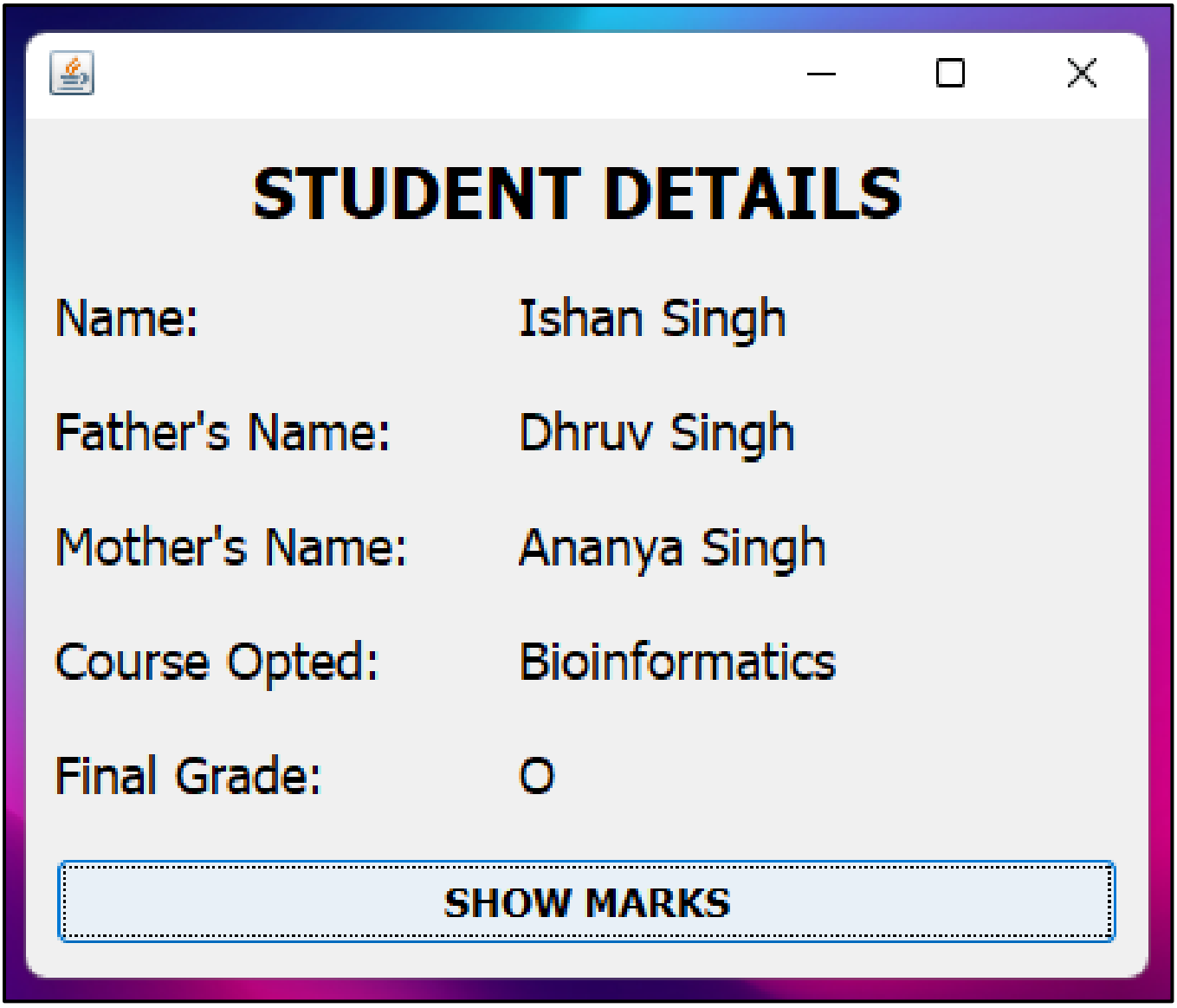
Frame 5.2: Confirmation that the details have been entered successfully



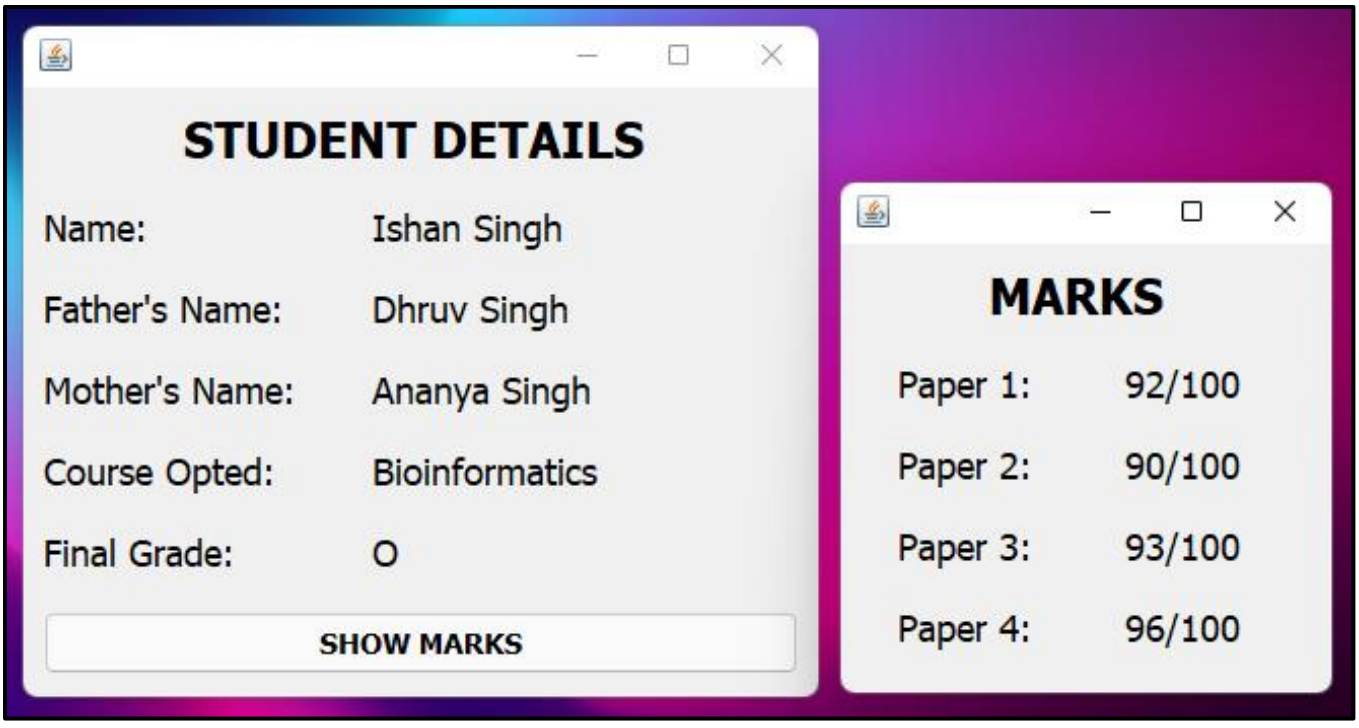
Frame 6: Student login



Frame 6.2: Error when the wrong username or password is entered (student)



Frame 7: Showing details of the student



Frame 8: Showing marks of the student

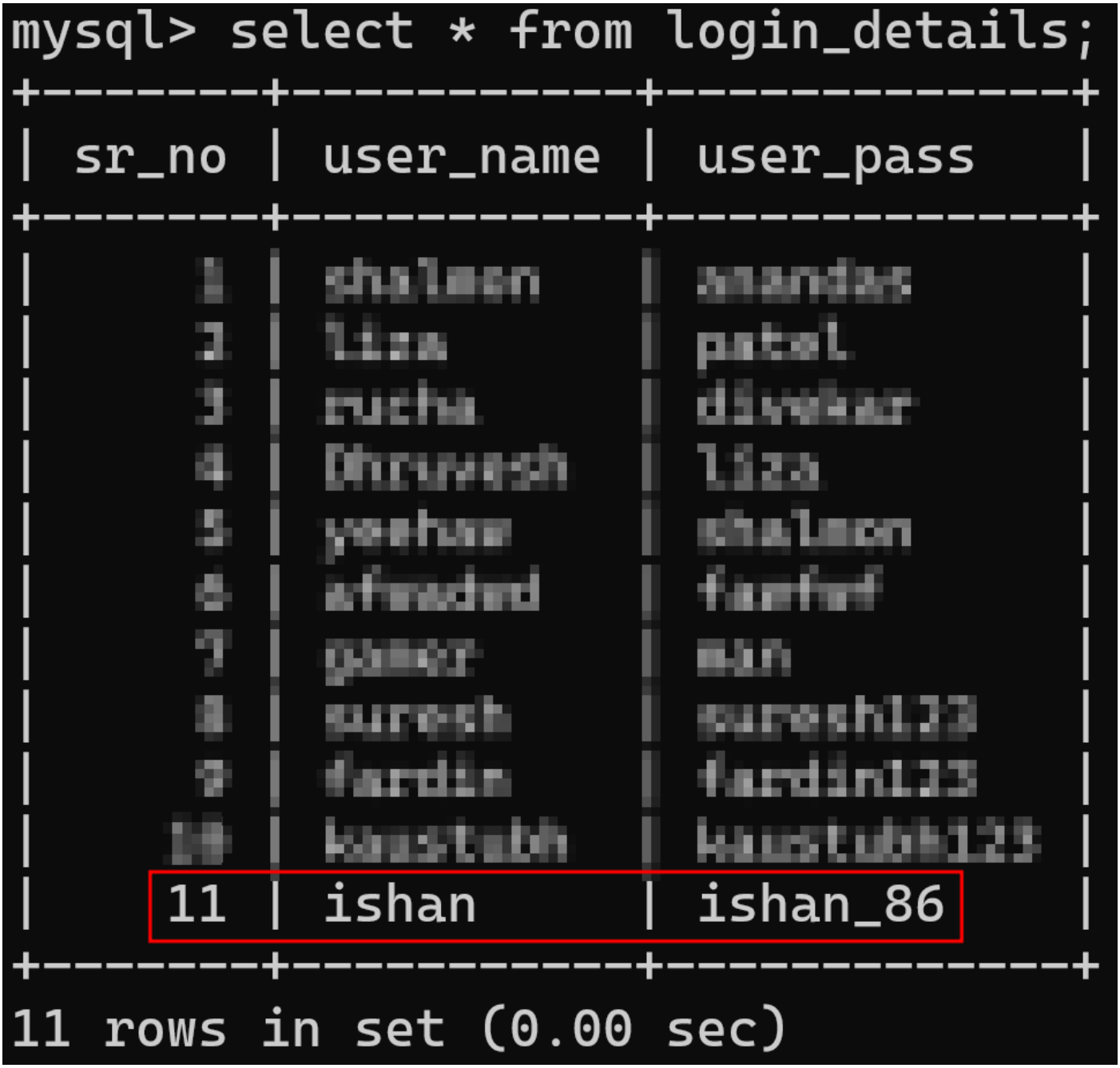
SQL DATABASE

```
mysql> use student_details
Database changed
mysql> show tables;
+-----------------------------+
| Tables_in_student_details |
+-----------------------------+
| admin_login                 |
| login_details               |
| student_details             |
| student_marks               |
+-----------------------------+
4 rows in set (0.00 sec)
```

Fig1: Name of all tables in the database

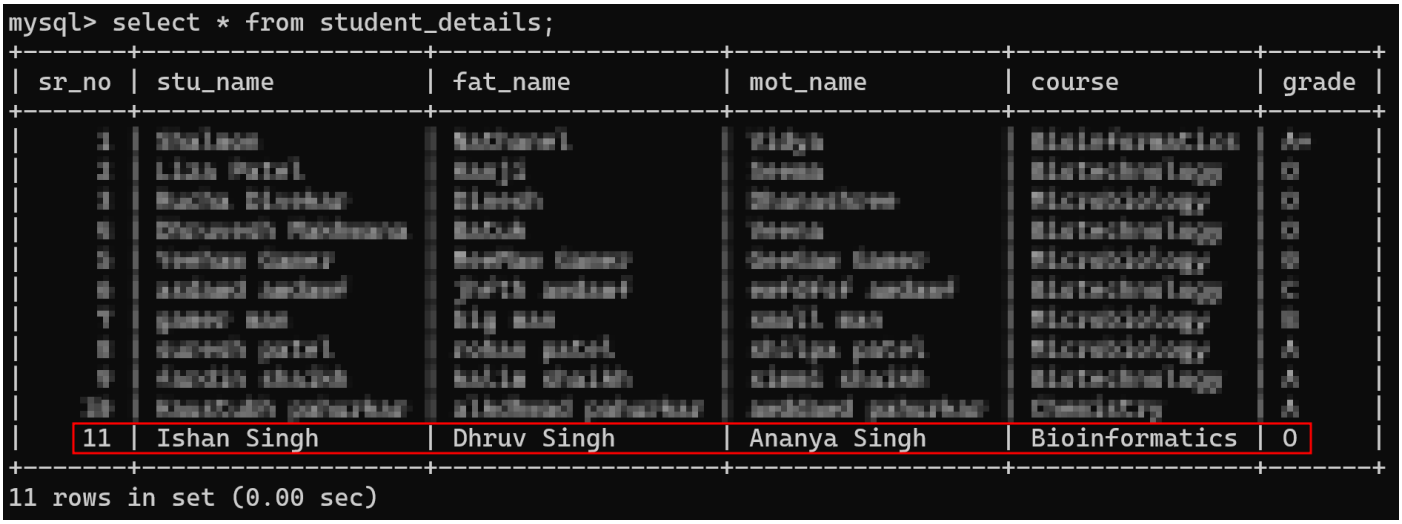
```
mysql> select * from admin_login;
+-------------+-------------+
| admin_name | admin_pass |
+-------------+-------------+
| admin       | admin       |
+-------------+-------------+
1 row in set (0.00 sec)
```

Fig2: Entries in admin_login table



```
mysql> select * from login_details;
+--------+------------+--------------+
| sr_no | user_name | user_pass   |
+--------+------------+--------------+
|      1 | shalmon   | anandas     |
|      2 | liza      | patel       |
|      3 | rucha     | divekar     |
|      4 | Dhruvesh  | liza        |
|      5 | yeehaw    | shalmon     |
|      6 | afwaded   | fawfwf      |
|      7 | gamer     | man         |
|      8 | suresh    | suresh123   |
|      9 | fardin    | fardin123   |
|     10 | kaustubh  | kaustubh123 |
|     11 | ishan     | ishan_86    |
+--------+------------+--------------+
11 rows in set (0.00 sec)
```

Fig3: Entries in login_details table (student login)



```
mysql> select * from student_details;
+-------+-------------------+-------------------+-------------------+-----------------+-------+
| sr_no | stu_name          | fat_name          | mot_name          | course          | grade |
+-------+-------------------+-------------------+-------------------+-----------------+-------+
|     1 | Shalmon           | Nathanel          | Vidya             | Bioinformatics  | A+    |
|     2 | Liza Patel        | Ranji             | Seema             | Biotechnology   | O     |
|     3 | Rucha Divekar     | Dinesh            | Dhanashree        | Microbiology    | O     |
|     4 | Dhruvesh Makhwana | Batuk             | Veena             | Biotechnology   | O     |
|     5 | Yeehaw Gamer      | BeeMan Gamer      | GeeGam Gamer      | Microbiology    | B     |
|     6 | asdaed amdaef     | jhfth amdaef      | eefdfef amdaef    | Biotechnology   | C     |
|     7 | gamer man         | big man           | small man         | Microbiology    | B     |
|     8 | suresh patel      | rohan patel       | shilpa patel      | Microbiology    | A     |
|     9 | fardin shaikh     | kalim shaikh      | simmi shaikh      | Biotechnology   | A     |
|    10 | Kaustubh paharkar | alkdhead paharkar | aeddaed paharkar  | Chemistry       | A     |
|    11 | Ishan Singh       | Dhruv Singh       | Ananya Singh      | Bioinformatics  | O     |
+-------+-------------------+-------------------+-------------------+-----------------+-------+
11 rows in set (0.00 sec)
```

Fig4: Entries in student_details table

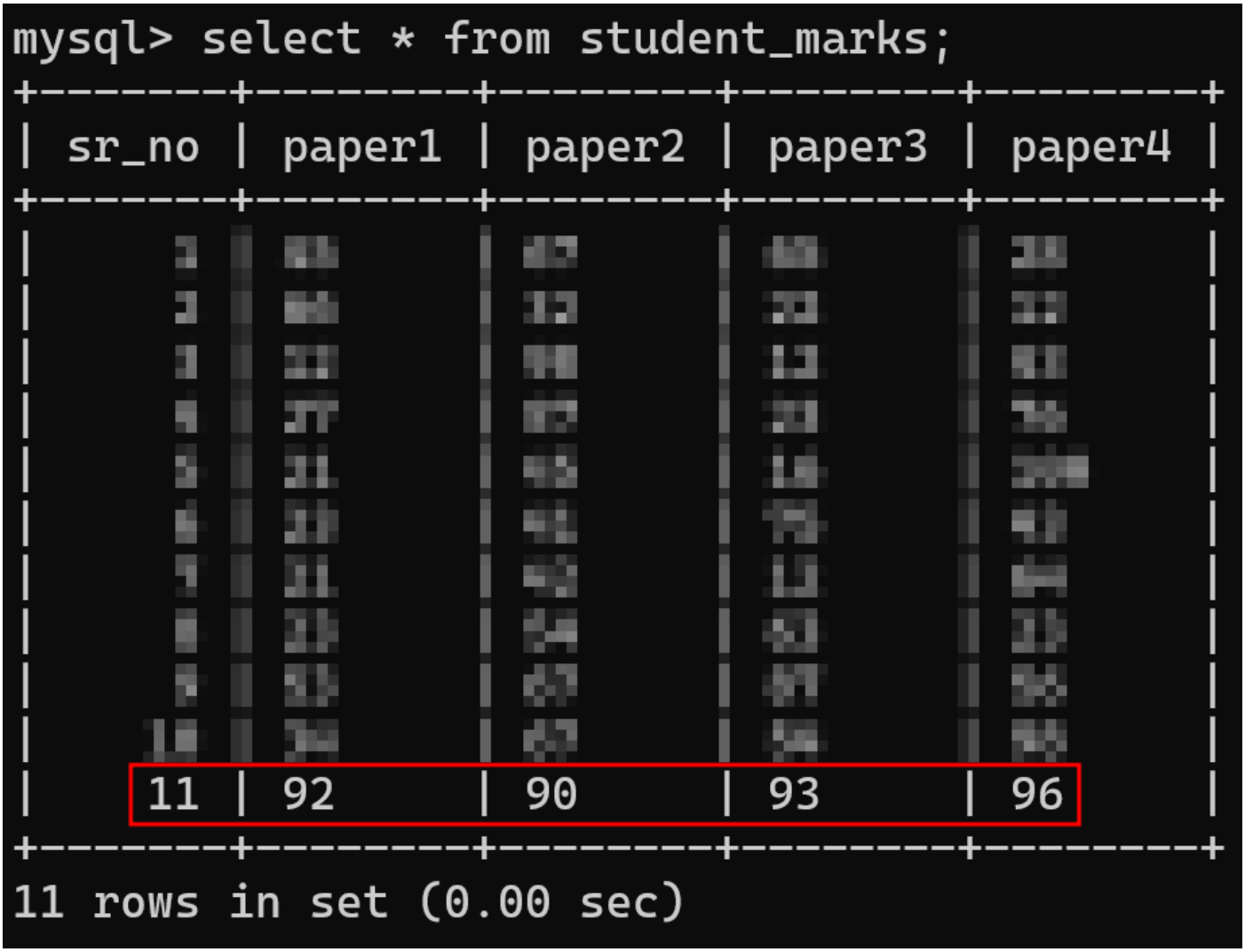


Fig5: Entries in student_marks table