



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

A Project on

STUDENT MANAGEMENT SYSTEM

to be submitted in partial fulfilling of the requirements for the course on

SWE1007 – PROGRAMMING IN JAVA

(Embedded Project)

(F1+TF1, L39+L40)

FACULTY: PROF ELANGO N M

SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING (SITE)

FALL SEMESTER 2021-2022

TEAM MEMBERS:

SADHANA S – 20MIS0185 - *Programming*

VIGNESH M – 20MIS0175 - *GUI Designing*

SURIYA G R - 20MIS0182 - *Database Management*

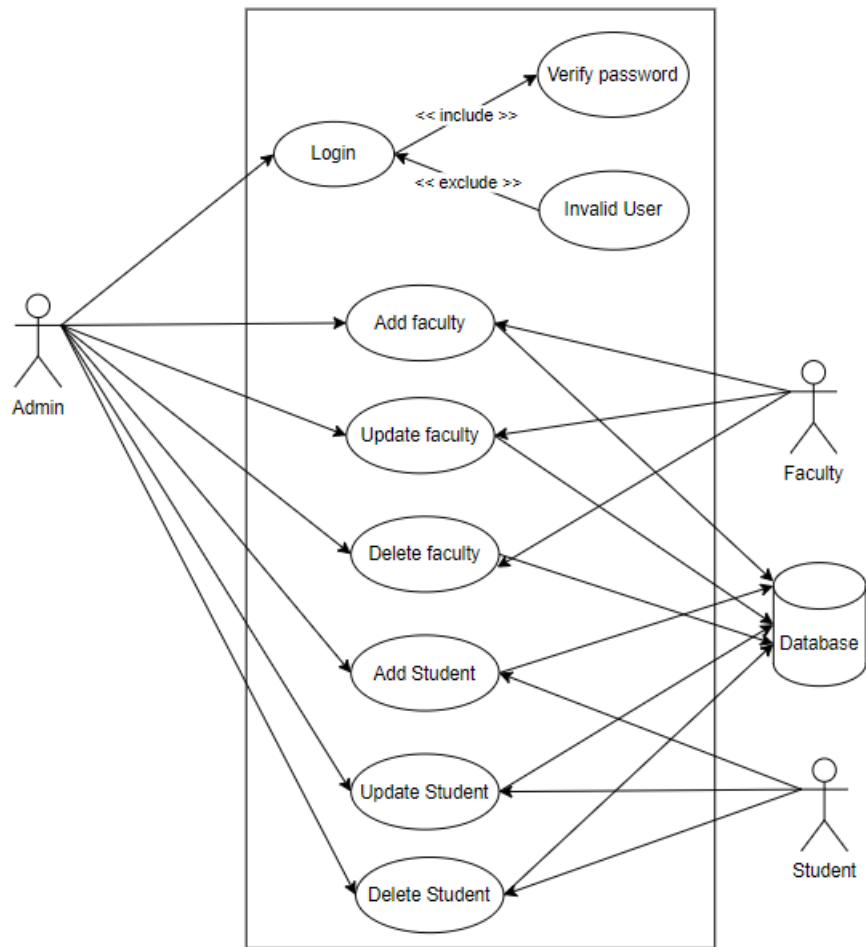


ABSTRACT OF THE PROJECT:

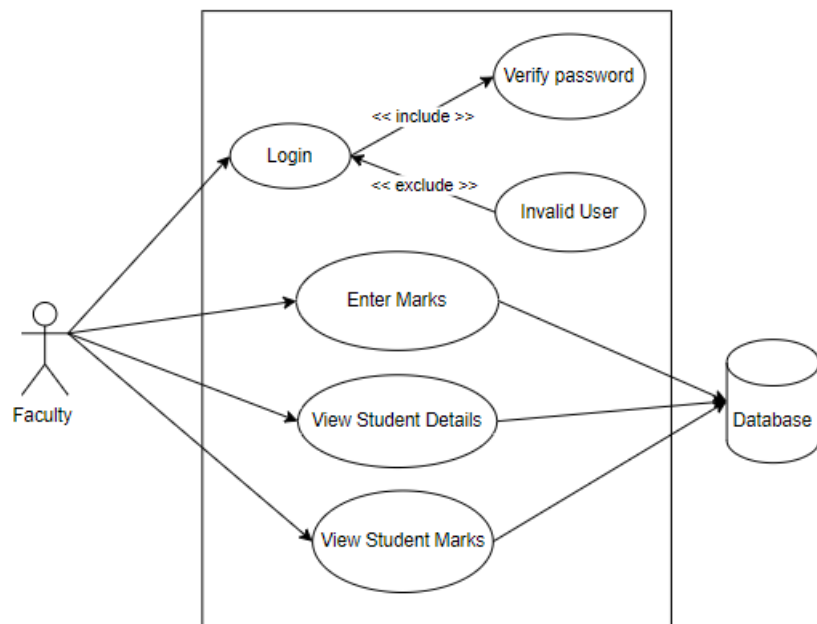
This project is basically a student-based management system where the admin can add the details of student and faculties. Student Management System is designed to track, store and manage student's data, like grades and all kind of information generated by a school. Admin can get the educational details, personal details for each student by entering the respective registration number or name of the student and details of faculties can be obtained by entering faculty id or name. This application will help Admin to access student and faculty data with less effort and then easily store it in a database. The entire details are maintained securely in the database which is maintained by an Admin.

USECASE:

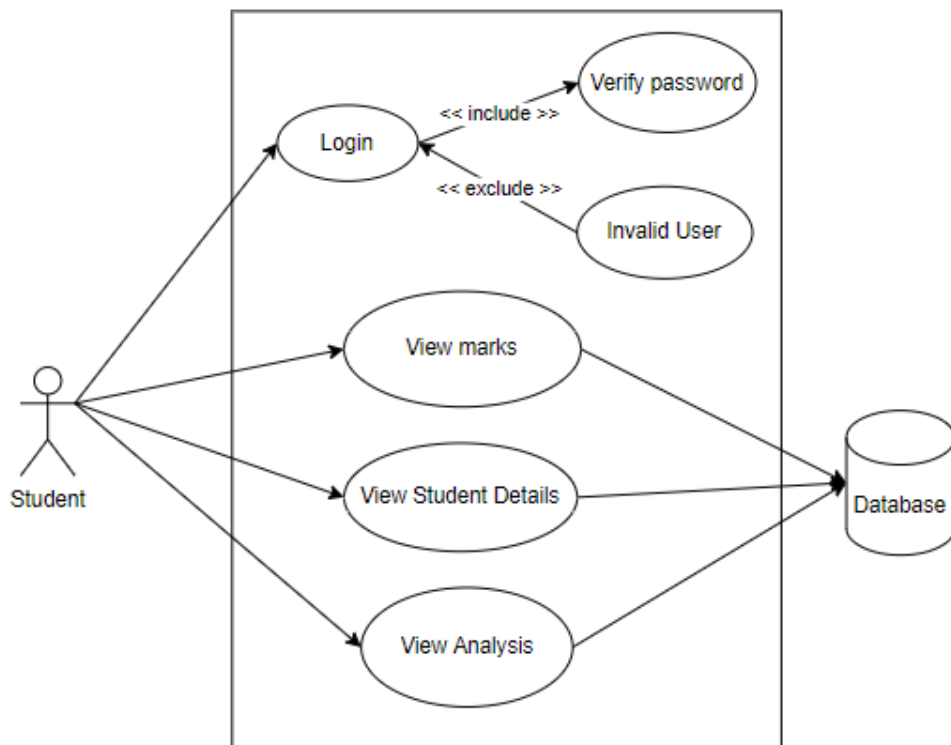
1. Admin module:



2. Faculty module:



3. Student module:



Database :- MySQL

student_management

Tables :

1. Admin

- Id
- Name
- Email
- password

2. Faculty

- Id
- Name
- Password
- Phone_no
- Address
- Subject

3. Student

- Id
- Name
- Password
- Dob
- Address
- Mobile_no

4. Cat1

- Id
- DBMS_marks
- DSA_marks
- Java_marks

5. Cat2

- Id
- DBMS_marks
- DSA_marks
- Java_marks

6. Fat

- Id
- DBMS_marks
- DSA_marks
- Java_marks

Program code:

1. Home:

```
public class home extends javax.swing.JFrame {

    public home() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```

private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(0, 204, 255));

    jLabel1.setFont(new java.awt.Font("Arial", 1, 24)); //
NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText("STUDENT MANAGEMENT SYSTEM");

    jButton1.setBackground(new java.awt.Color(255, 255, 255));
    jButton1.setFont(new java.awt.Font("Arial", 0, 24)); //
NOI18N
    jButton1.setForeground(new java.awt.Color(0, 204, 204));
    jButton1.setText("FACULTY LOGIN");
    jButton1.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton2.setBackground(new java.awt.Color(255, 255, 255));
    jButton2.setFont(new java.awt.Font("Arial", 0, 24)); //
NOI18N
    jButton2.setForeground(new java.awt.Color(0, 204, 204));

```

```

        jButton2.setText("ADMIN LOGIN");

        jButton2.addActionListener(new
java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent
evt) {

                jButton2ActionPerformed(evt);

            }

        });

        jButton3.setBackground(new java.awt.Color(255, 255, 255));
        jButton3.setFont(new java.awt.Font("Arial", 0, 24)); //
NOI18N
        jButton3.setForeground(new java.awt.Color(0, 204, 204));
        jButton3.setText("STUDENT LOGIN");

        jButton3.addActionListener(new
java.awt.event.ActionListener() {

            public void actionPerformed(java.awt.event.ActionEvent
evt) {

                jButton3ActionPerformed(evt);

            }

        });

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

        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGap(10, 10, 10)

                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

                .addComponent(jLabel1)

                .addContainerGap(10, 10)

                .addGroup(jPanel1Layout.createSequentialGroup()

```

```

        .addGap(68, 68, 68)

        .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.LEADING)

            .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 258,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 258,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 258,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(0, 0, Short.MAX_VALUE))

    );

    jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)

        .addGroup(jPanell1Layout.createSequentialGroup()

            .addGap(49, 49, 49)

            .addComponent(jLabel1)

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

            .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 72,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(37, 37, 37)

            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 72,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(39, 39, 39)

            .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 72,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(66, 66, 66))

    );

```



```

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

        getContentPane().setLayout(layout);

        layout.setHorizontalGroup(

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

        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

        layout.setVerticalGroup(

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

        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

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

```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent
evt) {

    login a = new login();

    a.setVisible(true);

}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent
evt) {

    fac_login h = new fac_login();

    h.setVisible(true);

}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent
evt) {

```

```

        stu_login s = new stu_login();
        s.setVisible(true);
    }

    public static void main(String args[]) {

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new home().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel1;
    // End of variables declaration
}

2. Database:
import java.sql.*;
import javax.swing.JOptionPane;
public class database {
    final static String driver = "com.mysql.cj.jdbc.Driver";
    final static String url =
"jdbc:mysql://localhost:3306/student_management?zeroDateTimeBehavior
=CONVERT_TO_NULL";
    final static String user = "root";
    final static String pass = "sadhu3sr";

    public static Connection connection(){

```

```

        try{
            Class.forName(driver);

            Connection con =
DriverManager.getConnection(url,user,pass);

            return con;
        }
        catch(ClassNotFoundException | SQLException e){
            JOptionPane.showMessageDialog(null,e);
            return null;
        }
    }
}

```

3. Admin:

```

public class Admin extends javax.swing.JFrame {

    public Admin() {
        initComponents();
    }

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

        jLabel4 = new javax.swing.JLabel();
        jButton5 = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
        jButton7 = new javax.swing.JButton();
        jButton8 = new javax.swing.JButton();
        jButton9 = new javax.swing.JButton();
        jButton10 = new javax.swing.JButton();

        jLabel4.setFont(new java.awt.Font("Arial", 0, 14)); //

```

NOI18N

```

        jLabel4.setForeground(new java.awt.Color(255, 255,
255));
        jLabel4.setText("STUDENT");

        jButton5.setText("jButton1");

        jButton6.setText("jButton1");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_C
LOSE);

        jPanel1.setBackground(new java.awt.Color(0, 204,
255));

        jLabel1.setFont(new java.awt.Font("Arial", 1, 36)); //
NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255,
255));
        jLabel1.setText("ADMIN PORTAL");

        jLabel2.setFont(new java.awt.Font("Arial", 0, 24)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255,
255));
        jLabel2.setText("FACULTY DETAILS");

        jButton1.setFont(new java.awt.Font("Arial", 0, 18));
// NOI18N
        jButton1.setText("Add faculty");
        jButton1.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setFont(new java.awt.Font("Arial", 0, 18));
// NOI18N
        jButton2.setText("View faculty");
        jButton2.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jLabel3.setFont(new java.awt.Font("Arial", 0, 24)); //
NOI18N

```

```

        jLabel3.setForeground(new java.awt.Color(255, 255,
255));
        jLabel3.setText("STUDENT DETAILS");

        jButton3.setFont(new java.awt.Font("Tahoma", 0, 18));
// NOI18N
        jButton3.setText("Add student");
        jButton3.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });

        jButton4.setFont(new java.awt.Font("Tahoma", 0, 18));
// NOI18N
        jButton4.setText("View student");
        jButton4.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });

        jButton7.setFont(new java.awt.Font("Arial", 0, 18));
// NOI18N
        jButton7.setText("Update faculty");
        jButton7.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton7ActionPerformed(evt);
            }
        });

        jButton8.setFont(new java.awt.Font("Arial", 0, 18));
// NOI18N
        jButton8.setText("Delete faculty");
        jButton8.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton8ActionPerformed(evt);
            }
        });

        jButton9.setFont(new java.awt.Font("Arial", 0, 18));
// NOI18N
        jButton9.setText("Update faculty");

```

```

        jButton9.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton9ActionPerformed(evt);
            }
        });

        jButton10.setFont(new java.awt.Font("Arial", 0, 18));
// NOI18N
        jButton10.setText("Delete faculty");
        jButton10.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton10ActionPerformed(evt);
            }
        });

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupL
ayout.Alignment.LEADING)
                .addComponent(jLabel2)

.addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(45, 45, 45)
                    .addComponent(jLabel3))

.addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(67, 67, 67)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupL
ayout.Alignment.LEADING, false)
                        .addComponent(jButton7,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jButton1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGap(37, 37, 37)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupL
ayout.Alignment.LEADING, false)

```

```

        .addComponent(jButton2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton8,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
        .addContainerGap(53, Short.MAX_VALUE))
        .addGroup(jPanell1Layout.createSequentialGroup())

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanell1Layout.createSequentialGroup())
        .addGap(82, 82, 82)
        .addComponent(jLabel1))

.addGroup(jPanell1Layout.createSequentialGroup())
        .addGap(60, 60, 60)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jButton9,
javax.swing.GroupLayout.DEFAULT_SIZE, 157, Short.MAX_VALUE)
        .addComponent(jButton3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanell1Layout.createSequentialGroup())
        .addGap(38, 38, 38)
        .addComponent(jButton4,
javax.swing.GroupLayout.PREFERRED_SIZE, 140,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanell1Layout.createSequentialGroup())
        .addGap(41, 41, 41)
        .addComponent(jButton10))))))
        .addGap(0, 0, Short.MAX_VALUE))
    );
    jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanell1Layout.createSequentialGroup())
            .addGap(35, 35, 35)
            .addComponent(jLabel1)
            .addGap(37, 37, 37)
            .addComponent(jLabel2)
            .addGap(26, 26, 26)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(26, 26, 26)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jButton7,
javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton8,
javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(26, 26, 26)
    .addComponent(jLabel3)
    .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton4,
javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(29, 29, 29)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jButton9,
javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton10,
javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap(44, Short.MAX_VALUE)
);

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

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

```



```

        .addComponent(jPanell1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(

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

        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void
jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        addStudent adds = new addStudent();
        adds.setVisible(true);
    }

    private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        addFaculty af = new addFaculty();
        af.setVisible(true);
    }

    private void
jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        viewFaculty vf = new viewFaculty();
        vf.setVisible(true);
    }

    private void
jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
        modifyFaculty mf = new modifyFaculty();
        mf.setVisible(true);
    }

    private void
jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
        delFaculty df = new delFaculty();
        df.setVisible(true);
    }

    private void
jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

```

```

    }

    private void
jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
    modify_student ms = new modify_student();
    ms.setVisible(true);
}

    private void
jButton10ActionPerformed(java.awt.event.ActionEvent evt) {
    delStudent ds = new delStudent();
    ds.setVisible(true);
}

    public static void main(String args[]) {

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Admin().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton10;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JButton jButton6;
    private javax.swing.JButton jButton7;
    private javax.swing.JButton jButton8;
    private javax.swing.JButton jButton9;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPanel jPanel1;
    // End of variables declaration
}
4. Add faculty :

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;

public class addFaculty extends javax.swing.JFrame {

```

```

        Connection con = null;
        PreparedStatement ps = null;
        Statement s = null;
        ResultSet rs = null;
        public addFaculty() {
            initComponents();
            con = database.connection();
        }

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

            jPanel1 = new javax.swing.JPanel();
            name = new javax.swing.JTextField();
            phone_no = new javax.swing.JTextField();
            address = new javax.swing.JTextField();
            subject = new javax.swing.JTextField();
            jButton1 = new javax.swing.JButton();
            jLabel5 = new javax.swing.JLabel();
            idt = new javax.swing.JTextField();
            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_C
LOSE);

            jPanel1.setBackground(new java.awt.Color(0, 204,
255));

            name.addActionListener(new
java.awt.event.ActionListener() {
                public void
actionPerformed(java.awt.event.ActionEvent evt) {
                    nameActionPerformed(evt);
                }
            });

            address.addActionListener(new
java.awt.event.ActionListener() {
                public void
actionPerformed(java.awt.event.ActionEvent evt) {
                    addressActionPerformed(evt);
                }
            });

```

```

        subject.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                subjectActionPerformed(evt);
            }
        });

        jButton1.setFont(new java.awt.Font("Tahoma", 0, 18));
// NOI18N
        jButton1.setText("Add");
        jButton1.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jLabel5.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255,
255));
        jLabel5.setText("ID");

        jLabel6.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255,
255));
        jLabel6.setText("Name");

        jLabel7.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255,
255));
        jLabel7.setText("Subject");

        jLabel8.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255,
255));
        jLabel8.setText("Phone number");

        jLabel9.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255,
255));
        jLabel9.setText("Address");

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

```

```
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel9)

.addComponent(jLabel8))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 50,
            javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jLabel7)

.addComponent(jLabel6))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 196,
            javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(idt,
        javax.swing.GroupLayout.PREFERRED_SIZE, 196,
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.
ayout.Alignment.LEADING, false)

.addComponent(phone_no)

.addComponent(address)
.addComponent(subject,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(name,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanell1Layout.createSequentialGroup()
.addComponent(68, 68, 68)
.addComponent(jLabel5)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RE
LATED, 245, javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanell1Layout.createSequentialGroup()
.addComponent(134, 134, 134)
.addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 105,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(0, 35, Short.MAX_VALUE)
);
jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup()
.addComponent(50, 50, 50)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupL
ayout.Alignment.BASELINE)
.addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel5))
.addComponent(30, 30, 30)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupL
ayout.Alignment.BASELINE)
.addComponent(jLabel6)

```

```

        .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(23, 23, 23)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel17)
        .addComponent(subject,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(28, 28, 28)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel18,
javax.swing.GroupLayout.PREFERRED_SIZE, 17,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(phone_no,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(28, 28, 28)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel19)
        .addComponent(address,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(33, 33, 33)
        .addComponent(jButtonon1,
javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(87, Short.MAX_VALUE))
    );

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(

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

```

```

        .addComponent(jPanell,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        try{
            ps=con.prepareStatement("insert into faculty
values(?,?,?, ?, ?, ?)");
            int id = Integer.parseInt(idt.getText());
            String name_val = name.getText();
            String password = name_val+"@123";
            String subject_id = subject.getText();
            int phone = Integer.parseInt(phone_no.getText());
            String add = address.getText();
            ps.setInt(1, id);
            ps.setString(2,name_val);
            ps.setString(3,password);
            ps.setInt(4, phone);
            ps.setString(5, add);
            ps.setString(6,subject_id);
            ps.executeUpdate();
            JOptionPane.showMessageDialog(null,"Added");
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null,e);
        }
    }

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

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

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

    /**
     * @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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                        break;

                    }
                }
            } catch (ClassNotFoundException ex) {

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JTextField address;
private javax.swing.JTextField idt;
private javax.swing.JButton jButton1;

```

```

        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;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JTextField name;
        private javax.swing.JTextField phone_no;
        private javax.swing.JTextField subject;
        // End of variables declaration
    }

```

5. Add student:

```

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

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */
public class addStudent extends javax.swing.JFrame {

    Connection con = null;
    Statement s = null;
    ResultSet rs = null;
    public addStudent() {

```

```

        initComponents();

        con = database.connection();
    }

    /**
     * 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() {

        jPanel1 = new javax.swing.JPanel();
        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();
        id = new javax.swing.JTextField();
        name = new javax.swing.JTextField();
        dob = new javax.swing.JTextField();
        address = new javax.swing.JTextField();
        phone_no = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
        E);

```

```

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel2.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Student ID");

        jLabel3.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));

        jLabel4.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("Name");

        jLabel5.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("DOB");

        jLabel6.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("Address");

        jLabel7.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setText("Phone number");

        phone_no.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        phone_noActionPerformed(evt);
    }
});

jButton1.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N
jButton1.setText("Add");
jButton1.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

    .addGroup(jPanel1Layout.createSequentialGroup())

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

    .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(72, 72, 72)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

    .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jLabel7)
        .addGap(18, 18, 18)

```

```

                                .addComponent(phone_no,
javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE))

                                .addComponent(jLabel13)

.addGroup(jPanell1Layout.createSequentialGroup())

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                                .addComponent(jLabel12)

                                .addComponent(jLabel14)

                                .addComponent(jLabel15)

                                .addComponent(jLabel16))

                                .addGap(50, 50, 50)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                                .addComponent(address,
javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(dob,
javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(id,
javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

.addGroup(jPanell1Layout.createSequentialGroup())

                                .addGap(153, 153, 153)

                                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)))

                                .addContainerGap(65, Short.MAX_VALUE))

);

jPanell1Layout.setVerticalGroup(

```

```

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

            .addGap(72, 72, 72)


        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(jLabel2)

            .addComponent(id,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(50, 50, 50)


        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(jLabel4)

            .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(34, 34, 34)

            .addComponent(jLabel3)


        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELAT
ED)


        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(jLabel5)

            .addComponent(dob,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(49, 49, 49)


        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

            .addComponent(jLabel6)

            .addComponent(address,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(46, 46, 46)

        .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(jLabel17)

            .addComponent(phone_no,
                javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATIVE, 50, Short.MAX_VALUE)

        .addComponent(jButton1,
            javax.swing.GroupLayout.PREFERRED_SIZE, 48,
            javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(39, 39, 39))
    };

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

            .addComponent(jPanell1,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            );

    layout.setVerticalGroup(

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

            .addComponent(jPanell1,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            );

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

```



```

        private void
phone_noActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}

        private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    try{

        s = con.createStatement();

        int id_val = Integer.parseInt(id.getText());

        String name_val = name.getText();

        String pass = name_val+"@123";

        String dob_val = dob.getText();

        String add_val = address.getText();

        int phone_val = Integer.parseInt(phone_no.getText());


        String sql1 = "insert into student
values('"+id_val+"','"+name_val+"','"+pass+"','"+dob_val+"','"+ad
d_val+"','"+phone_val+"')";

        String sql2 = "insert into cat1 (student_id) values
('"+id_val+"')";

        String sql3 = "insert into cat2 (student_id) values
('"+id_val+"')";

        String sql4 = "insert into FAT (student_id) values
('"+id_val+"')";

        s.executeUpdate(sql1);

        s.executeUpdate(sql2);

        s.executeUpdate(sql3);

        s.executeUpdate(sql4);

        JOptionPane.showMessageDialog(null,"Added
successfully");

    }

    catch(Exception e){

        JOptionPane.showMessageDialog(null,e);

```

```

    }

}

/**
 * @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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;

            }

        }

    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(addStudent.class.getName()).lo
g(java.util.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(addStudent.class.getName()).lo
g(java.util.logging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(addStudent.class.getName()).lo
g(java.util.logging.Level.SEVERE, null, ex);

```

```

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
    {

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

// Variables declaration - do not modify
private javax.swing.JTextField address;
private javax.swing.JTextField dob;
private javax.swing.JTextField id;
private javax.swing.JButton jButton1;
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.JPanel jPanel1;
private javax.swing.JTextField name;
private javax.swing.JTextField phone_no;

// End of variables declaration
}

```

6. Analysemarks

```

import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */
public class analyseMarks extends javax.swing.JFrame {

    int id;
    Connection con = null;
    Statement s = null;
    ResultSet rs1,rs2,rs3,rs4,rs5,rs6,rs7,rs8,rs9 = null;
    public analyseMarks() {

        initComponents();
        con = database.connection();
    }

    /**

```

```

        * 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() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        subject = new javax.swing.JComboBox<>();
        jButton1 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        idt = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
        E);

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel1.setFont(new java.awt.Font("Arial", 0, 18)); //
        NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Select subject");

        subject.setModel(new
        javax.swing.DefaultComboBoxModel<>(new String[] { "DSA", "DBMS",
        "java" }));

```

```

        jButton1.setText("view");

        jButton1.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                jButton1ActionPerformed(evt);

            }

        });


jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14)); //
NOI18N

jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Enter ID:");


jButton2.setText("Overall analysis");

jButton2.addActionListener(new
java.awt.event.ActionListener() {

    public void
actionPerformed(java.awt.event.ActionEvent evt) {

        jButton2ActionPerformed(evt);

    }

});


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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(jPanel1Layout.createSequentialGroup()

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addGap(79, 79, 79)

```

```

        .addComponent(jLabel2)

        .addGap(60, 60, 60)

        .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGroup(jPanell1Layout.createSequentialGroup())

        .addGap(144, 144, 144)

        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 137,
javax.swing.GroupLayout.PREFERRED_SIZE)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELAT
ED)

        .addComponent(jLabel3)))

        .addContainerGap(75, Short.MAX_VALUE))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup())

    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup())

        .addComponent(jLabel1)

        .addGap(28, 28, 28)

        .addComponent(subject,
javax.swing.GroupLayout.PREFERRED_SIZE, 162,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(41, 41, 41))

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup())

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(140, 140, 140)))

```

```

        );

        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

                .addGroup(jPanel1Layout.createSequentialGroup())

                        .addGap(56, 56, 56)

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.BASELINE)

                .addComponent(jLabel2)

                .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

                        .addGap(32, 32, 32)

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.BASELINE)

                .addComponent(jLabel1)

                .addComponent(subject,
javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE))

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.TRAILING)

                .addGroup(jPanel1Layout.createSequentialGroup())

                        .addGap(139, 139, 139)

                        .addComponent(jLabel3)

jPanel1Layout.createSequentialGroup()

                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

                .addGroup(jPanel1Layout.createSequentialGroup())

                        .addGap(35, 35, 35)

                        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

```



```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELAT
ED, 44, Short.MAX_VALUE)

        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(84, 84, 84)))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)

        .addComponent(jPanel1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

    );

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

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    try{

        s = con.createStatement();

```

```

        String idv = idt.getText();

        String a = null,b = null,c = null;

        String sub = (String) subject.getSelectedItemAt();

        String sql1 = "select "+sub+"_marks from cat1 where
student_id = "+idv;

        String sql2 = "select "+sub+"_marks from cat2 where
student_id = "+idv;

        String sql3 = "select "+sub+"_marks from fat where
student_id = "+idv;

        rs1 = s.executeQuery(sql1);
        if(rs1.next()){
            a = rs1.getString(1);

        }

        rs2 = s.executeQuery(sql2);
        if(rs2.next()){
            b = rs2.getString(1);

        }

        rs3 = s.executeQuery(sql3);
        if(rs3.next()){
            c = rs3.getString(1);

        }

        int av = Integer.parseInt(a);
        int bv = Integer.parseInt(b);
        int cv = Integer.parseInt(c);

        subAnalyse a1 = new subAnalyse();
        a1.showPie(sub,av, bv, cv);

    }

    catch (SQLException ex) {

        JOptionPane.showMessageDialog(null, ex);

    }

```

```

    }

    private void
    jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        try{
            s = con.createStatement();
            String idv = idt.getText();
            //int a = 0,b = 0,c = 0;
            String a = null,b = null,c = null,d = null,e = null,f
            = null,g = null,h = null,i = null;
            String sub = (String) subject.getSelectedItem();
            String sql1 = "select DSA_marks from cat1 where
            student_id = "+idv;
            String sql2 = "select DSA_marks from cat2 where
            student_id = "+idv;
            String sql3 = "select DSA_marks from fat where
            student_id = "+idv;

            String sql4 = "select DBMS_marks from cat1 where
            student_id = "+idv;
            String sql5 = "select DBMS_marks from cat2 where
            student_id = "+idv;
            String sql6 = "select DBMS_marks from fat where
            student_id = "+idv;

            String sql7 = "select java_marks from cat1 where
            student_id = "+idv;
            String sql8 = "select java_marks from cat2 where
            student_id = "+idv;
            String sql9 = "select java_marks from fat where
            student_id = "+idv;

            rs1 = s.executeQuery(sql1);
            if(rs1.next()){
                a = rs1.getString(1);
            }
        }
    }

```

```
rs2 = s.executeQuery(sql2);
if(rs2.next()){
    b = rs2.getString(1);
}
rs3 = s.executeQuery(sql3);
if(rs3.next()){
    c = rs3.getString(1);
}

rs4 = s.executeQuery(sql4);
if(rs4.next()){
    d = rs4.getString(1);
}
rs5 = s.executeQuery(sql5);
if(rs5.next()){
    e = rs5.getString(1);
}
rs6 = s.executeQuery(sql6);
if(rs6.next()){
    f = rs6.getString(1);
}

rs7 = s.executeQuery(sql7);
if(rs7.next()){
    g = rs7.getString(1);
}
rs8 = s.executeQuery(sql8);
if(rs8.next()){
    h = rs8.getString(1);
}
rs9 = s.executeQuery(sql9);
if(rs9.next()){
```

```

        i = rs9.getString(1);
    }

    int av = Integer.parseInt(a);
    int bv = Integer.parseInt(b);
    int cv = Integer.parseInt(c);
    int dv = Integer.parseInt(d);
    int ev = Integer.parseInt(e);
    int fv = Integer.parseInt(f);
    int gv = Integer.parseInt(g);
    int hv = Integer.parseInt(h);
    int iv = Integer.parseInt(i);
    markAnalyse a2 = new markAnalyse();
    a2.showbar(av,bv,cv,dv,ev,fv,gv,hv,iv);

}

catch (SQLException ex) {
    JOptionPane.showMessageDialog(null, ex);
}

}

/**
 * @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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(analyseMarks.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(analyseMarks.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(analyseMarks.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
        {

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

```

```

        // Variables declaration - do not modify
        private javax.swing.JTextField idt;
        private javax.swing.JButton jButton1;
        private javax.swing.JButton jButton2;
        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JLabel jLabel3;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JComboBox<String> subject;
        // End of variables declaration
    }
7. delFaculty:

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

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GuiForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */
public class delFaculty extends javax.swing.JFrame {

    Connection con = null;

```

```

Statement s = null;
ResultSet rs = null;
public delFaculty() {
    initComponents();
    con = database.connection();
}

/**
 * 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() {

    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    val = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

    jPanel2.setBackground(new java.awt.Color(0, 204, 255));

    jLabel1.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText("Enter Id :");

```



```

jButton1.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

jButton1.setText("Delete");

jButton1.addActionListener(new
java.awt.event.ActionListener() {

    public void
actionPerformed(java.awt.event.ActionEvent evt) {

        jButton1ActionPerformed(evt);

    }

});

javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(jPanel2Layout.createSequentialGroup()

        .addGroup(jPanel2Layout.createParallelGroup(
javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel2Layout.createSequentialGroup()

                .addGroup(jPanel2Layout.createParallelGroup(
javax.swing.GroupLayout.Alignment.LEADING)

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

                    .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 194,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addGroup(jPanel2Layout.createSequentialGroup()

                    .addGap(150, 150, 150)

```

```

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addContainerGap(59, Short.MAX_VALUE))

    );

    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())

            .addGap(97, 97, 97)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(50, 50, 50)

            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addContainerGap(62, Short.MAX_VALUE))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)

        .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

```

```

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

        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        );

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

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    try{

        String value = val.getText();
        s = con.createStatement();
        String sql = "delete from faculty where
id='"+value+"'";
        s.executeUpdate(sql);

        JOptionPane.showMessageDialog(null,"Deleted
successfully");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,e);
    }
}

/**
 * @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/pl
        af.html

        */

        try {

            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {

                if ("Nimbus".equals(info.getName())) {

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;

                }

            }

        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(delFaculty.class.getName()).lo
            g(java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(delFaculty.class.getName()).lo
            g(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(delFaculty.class.getName()).lo
            g(java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
        {

            java.util.logging.Logger.getLogger(delFaculty.class.getName()).lo
            g(java.util.logging.Level.SEVERE, null, ex);

        }

        //</editor-fold>

        /* Create and display the form */

        java.awt.EventQueue.invokeLater(new Runnable() {

            public void run() {

```

```

        new delFaculty().setVisible(true);
    }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField val;
// End of variables declaration
}

```

8. delstudent:

```

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

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */
public class delStudent extends javax.swing.JFrame {

```

```

Connection con = null;
Statement s = null;
ResultSet rs = null;
public delStudent() {
    initComponents();
    con = database.connection();
}

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

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    val = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

    jPanel1.setBackground(new java.awt.Color(0, 204, 255));

    jLabel1.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText("Enter Id :");

    jButton1.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N
    jButton1.setText("Delete");

```

```

        jButton1.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                jButton1ActionPerformed(evt);

            }

        });

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

                .addGap(63, Short.MAX_VALUE)

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addPreferredGap(LayoutStyle.ComponentPlacement.RELAT
ED)

                        .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 194,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGroup(jPanel1Layout.createSequentialGroup()

                            .addGap(78, 78, 78)

                            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE))

                            .addGap(47, 47, 47))

```

```

        );

        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

                        .addContainerGap(91, Short.MAX_VALUE)

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.BASELINE)

                        .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE))

                        .addGap(50, 50, 50)

                        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGap(71, 71, 71))

        );

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

        getContentPane().setLayout(layout);

        layout.setHorizontalGroup(

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

                .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

        layout.setVerticalGroup(

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

```



```

        .addComponent(jPanell,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

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

    private void
jButtonActionPerformed(java.awt.event.ActionEvent evt) {

        try{

            String value = val.getText();

            s = con.createStatement();

            String sql = "delete from student where
id='"+value+"'";

            s.executeUpdate(sql);

            JOptionPane.showMessageDialog(null,"Deleted
successfully");

        }

        catch(Exception e){

            JOptionPane.showMessageDialog(null,e);

        }

    }

    /**
     * @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 ("Nimbus".equals(info.getName())) {

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;

                }

            }

        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(delStudent.class.getName()).log(
                java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(delStudent.class.getName()).log(
                java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(delStudent.class.getName()).log(
                java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        }

        java.util.logging.Logger.getLogger(delStudent.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 delStudent().setVisible(true);

        }

    });
```

```

        }

    });

}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField val;
// End of variables declaration
}

```

9. fac_login

```

import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GuiForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */

```

```

public class fac_login extends javax.swing.JFrame {

    /**
     * Creates new form fac_login
     */
    Connection con = null;
    Statement s = null;
    ResultSet rs = null;
    public fac_login() {

        initComponents();

        con = database.connection();
    }

    /**
     * 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() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        user = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        pass = new javax.swing.JPasswordField();
    }
}

```

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

```
jPanel1.setBackground(new java.awt.Color(0, 204, 255));
```

```
NOI18N jLabel1.setFont(new java.awt.Font("Arial", 1, 36)); //
```

```
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel1.setText("FACULTY LOGIN");
```

```
NOI18N jLabel2.setFont(new java.awt.Font("Arial", 0, 24)); //
```

```
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel2.setText("Username");
```

```
NOI18N jLabel3.setFont(new java.awt.Font("Arial", 0, 24)); //
```

```
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel3.setText("Password");
```

```
user.addActionListener(new  
java.awt.event.ActionListener() {
```

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

```
        userActionPerformed(evt);
```

```
    }
```

```
});
```

```
NOI18N jButton1.setFont(new java.awt.Font("Arial", 0, 18)); //
```

```
jButton1.setText("Back");
```

```
jButton1.addActionListener(new  
java.awt.event.ActionListener() {
```

```

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

    jButton2.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jButton2.setText("Login");
    jButton2.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())
            .addGap(184, 184, 184)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

            .addComponent(jLabel2)

        .addGroup(jPanel1Layout.createSequentialGroup())

```

```

        .addGap(4, 4, 4)
        .addComponent(jLabel3)))

    .addGroup(jPanell1Layout.createSequentialGroup())
        .addGap(141, 141, 141)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(user)
        .addComponent(pass,
            javax.swing.GroupLayout.DEFAULT_SIZE, 200, Short.MAX_VALUE)))

    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
        Short.MAX_VALUE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
            jPanell1Layout.createSequentialGroup())
            .addContainerGap(103, Short.MAX_VALUE)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanell1Layout.createSequentialGroup())
            .addComponent(jLabel1)
            .addGap(100, 100, 100))

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanell1Layout.createSequentialGroup())
            .addComponent(jButton2,
                javax.swing.GroupLayout.PREFERRED_SIZE, 99,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(63, 63, 63)
            .addComponent(jButton1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 99,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(117, 117, 117)))

    );

    jPanell1Layout.setVerticalGroup(

```

```
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel1Layout.createSequentialGroup()  
            .addGap(68, 68, 68)  
            .addComponent(jLabel1)  
            .addGap(44, 44, 44)  
            .addComponent(jLabel2)  
            .addGap(18, 18, 18)  
            .addComponent(user,  
javax.swing.GroupLayout.PREFERRED_SIZE, 39,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(39, 39, 39)  
            .addComponent(jLabel3)  
            .addGap(18, 18, 18)  
            .addComponent(pass,  
javax.swing.GroupLayout.PREFERRED_SIZE, 40,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(59, 59, 59)  
  
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
            .addComponent(jButton1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 47,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addComponent(jButton2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 47,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
        .addContainerGap(106, Short.MAX_VALUE))  
    );
```

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

```

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



```

        .addComponent(jPanell,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

        layout.setVerticalGroup(

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

        .addComponent(jPanell,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

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

private void actionPerformed(java.awt.event.ActionEvent
evt) {

    // TODO add your handling code here:

}

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    home h = new home();

    h.setVisible(true);

}

private void
jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    try {

        s = con.createStatement();

        String username = user.getText();

        String password = pass.getText();

```

```

        String sql = "select *from faculty where
name='"+username+"' && password = '"+password+"'";

        rs = s.executeQuery(sql);

        if(rs.next()){

            setVisible(false);

            faculty f = new faculty();

            f.setVisible(true);

        }

        else{

            JOptionPane.showMessageDialog(null, "INVALID
PASSWORD OR USERNAME");

        }

    } catch (SQLException ex) {

Logger.getLogger(login.class.getName()).log(Level.SEVERE, null,
ex);

    }

}

/**
 * @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 ("Nimbus".equals(info.getName())) {

```

```

javax.swing.UIManager.setLookAndFeel(info.getClassName());

        break;

    }

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(fac_login.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(fac_login.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(fac_login.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex)
{

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

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;

```

```

        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JLabel jLabel3;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JPasswordField pass;
        private javax.swing.JTextField user;

        // End of variables declaration
    }

    10.      faculty:
    /*

        * Click
        nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
        default.txt to change this license

        * Click
        nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
        edit this template

    */

    /**
     *
     * @author LENOVO
     */

    public class faculty extends javax.swing.JFrame {

        /**
         * Creates new form faculty
         */
        public faculty() {
            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();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();

        jLabel1.setFont(new java.awt.Font("Arial", 1, 36)); //
        NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("ADMIN PORTAL");

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
        E);

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel2.setFont(new java.awt.Font("Arial", 1, 36)); //
        NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("FACULTY PORTAL");

```

```

        jButton1.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N
        jButton1.setText("Enter marks");

        jButton1.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                jButton1ActionPerformed(evt);

            }

        });

        jButton2.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N
        jButton2.setText("View Student details");

        jButton2.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                jButton2ActionPerformed(evt);

            }

        });

        jButton3.setText("View Student Marks");

        jButton3.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                jButton3ActionPerformed(evt);

            }

        });

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

```

```

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

                .addGap(47, 47, 47)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

        .addGroup(jPanel1Layout.createSequentialGroup())

                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

                .addComponent(jButton2))

                .addComponent(jLabel2)))

        .addGroup(jPanel1Layout.createSequentialGroup())

                .addGap(133, 133, 133)

                .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)))

                .addContainerGap(50, Short.MAX_VALUE))

        );

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

                .addGap(47, 47, 47)

                .addComponent(jLabel2)

                .addGap(46, 46, 46)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 57,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGap(26, 26, 26)

.addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addContainerGap(24, Short.MAX_VALUE))

);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

layout.setVerticalGroup(

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

        .addGroup(layout.createSequentialGroup()

                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(0, 0, Short.MAX_VALUE))

        );

```



```

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

    private void
    jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        viewStudent vs = new viewStudent();
        vs.setVisible(true);
    }

    private void
    jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        marks m=new marks();
        m.setVisible(true);
    }

    private void
    jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        result r = new result();
        r.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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(faculty.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(faculty.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(faculty.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
{

java.util.logging.Logger.getLogger(faculty.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        }
    }
}
//</editor-fold>

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

// Variables declaration - do not modify

```

```

        private javax.swing.JButton jButton1;
        private javax.swing.JButton jButton2;
        private javax.swing.JButton jButton3;
        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JPanel jPanel1;
        // End of variables declaration
    }
11.      login

import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

public class login extends javax.swing.JFrame {

    Connection con = null;
    Statement s = null;
    ResultSet rs = null;
    public login() {
        super("Login");
        initComponents();
        con = database.connection();
    }

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

```

```

jPanel2 = new javax.swing.JPanel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
user = new javax.swing.JTextField();
pass = new javax.swing.JPasswordField();
jButton1 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jButton3 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setAutoRequestFocus(false);
setBackground(new java.awt.Color(0, 204, 255));
setPreferredSize(new java.awt.Dimension(437, 670));
setResizable(false);

jPanel2.setBackground(new java.awt.Color(0, 204, 255));

jLabel2.setFont(new java.awt.Font("Arial", 0, 24)); //
NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Username");

jLabel3.setFont(new java.awt.Font("Arial", 0, 24)); //
NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Password");

user.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        userActionPerformed(evt);
    }
});

```

```

        }
    });

    jButton1.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jButton1.setText("Back");
    jButton1.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jLabel1.setFont(new java.awt.Font("Arial", 1, 36)); //
NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText("ADMIN LOGIN");

    jButton3.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jButton3.setText("Login");
    jButton3.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

```

```

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(70, 70, 70)

        .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(62, 62, 62)

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(154, 154, 154)

        .addComponent(jLabel2))

.addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(160, 160, 160)

        .addComponent(jLabel3))

.addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(113, 113, 113)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(pass,
javax.swing.GroupLayout.PREFERRED_SIZE, 205,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(user,
javax.swing.GroupLayout.PREFERRED_SIZE, 205,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(100, 100, 100)

```

```

        .addComponent(jLabel1)))
        .addContainerGap(88, Short.MAX_VALUE))
    );

    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())
            .addGap(80, 80, 80)
            .addComponent(jLabel1)
            .addGap(30, 30, 30)
            .addComponent(jLabel2)
            .addGap(18, 18, 18)
            .addComponent(user,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(37, 37, 37)
            .addComponent(jLabel3)
            .addGap(27, 27, 27)
            .addComponent(pass,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(44, 44, 44)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(57, Short.MAX_VALUE))
    );

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

```

```

        getContentPane().setLayout(layout);

        layout.setHorizontalGroup(

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

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

                .addGap(0, 0, Short.MAX_VALUE)

                .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

            );

        layout.setVerticalGroup(

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

            .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            );

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

    private void userActionPerformed(java.awt.event.ActionEvent
evt) {

        // TODO add your handling code here:

    }

    private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

        home h = new home();

        h.setVisible(true);

    }

```



```

        private void
jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

    try {

        s = con.createStatement();

        String username = user.getText();

        String password = pass.getText();

        String sql = "select *from admin where
name='"+username+"' && password = '"+password+"'";

        rs = s.executeQuery(sql);

        if(rs.next()){

            setVisible(false);

            Admin a = new Admin();

            a.setVisible(true);

        }

        else{

            JOptionPane.showMessageDialog(null, "INVALID
PASSWORD OR USERNAME");

        }

    } catch (SQLException ex) {

        JOptionPane.showMessageDialog(null, ex);

    }

}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

    java.awt.EventQueue.invokeLater(new Runnable() {

        public void run() {

            new login().setVisible(true);

        }

    });

}

```

```

        // Variables declaration - do not modify
        private javax.swing.JButton jButton1;
        private javax.swing.JButton jButton3;
        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JLabel jLabel3;
        private javax.swing.JPanel jPanel2;
        private javax.swing.JPasswordField pass;
        private javax.swing.JTextField user;

        // End of variables declaration
    }

12.      markAnalyse:
import org.jfree.chart.ChartFactory;
import org.jfree.chart.ChartFrame;
import org.jfree.chart.JFreeChart;
import org.jfree.chart.plot.PlotOrientation;
import org.jfree.data.category.CategoryDataset;
import org.jfree.data.category.DefaultCategoryDataset;
import org.jfree.data.general.DefaultPieDataset;

public class markAnalyse
{

    public void showbar(int a,int b,int c,int d,int e,int
f,int g,int h,int i) {

        DefaultCategoryDataset dataset = new
DefaultCategoryDataset();
        dataset.addValue(a,"DSA","CAT-1");
        dataset.addValue(d,"DBMS","CAT-1");
        dataset.addValue(g,"JAVA","CAT-1");

        dataset.addValue(b,"DSA","CAT-2");
        dataset.addValue(e,"DBMS","CAT-2");
        dataset.addValue(h,"JAVA","CAT-2");

        dataset.addValue(c,"DSA","FAT");
        dataset.addValue(f,"DBMS","FAT");
        dataset.addValue(i,"JAVA","FAT");

        // create a chart...
        JFreeChart chart = ChartFactory.createBarChart("Mark
Analysis","Subjects","Marks", (CategoryDataset)
dataset,PlotOrientation.VERTICAL,true,true,false);

```

```

        ChartFrame frame = new ChartFrame("JFreeChat Pie
Chart", chart);
        frame.pack();
        frame.setVisible(true);
    }
    /* public static void main(String args[]){
        markAnalyse ma = new markAnalyse();
        ma.showbar();
    }*/
}
13.      marks:

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

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

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

    Connection con = null;

    Statement s = null;

    ResultSet rs = null;

    public marks() {

        initComponents();

        con = database.connection();

```

```

    }

    /**
     * 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() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        exam = new javax.swing.JComboBox<>();
        mark = new javax.swing.JTextField();
        id = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        subject = new javax.swing.JComboBox<>();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
        E);

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel1.setFont(new java.awt.Font("Arial", 0, 18)); //
        NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Select Exam: ");

```

```

jLabel3.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N

jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Enter marks:");

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

exam.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "cat1", "cat2", "FAT" }));

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

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

jLabel4.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N

jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Enter Student ID:");

jButton1.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

jButton1.setText("Submit");

jButton1.addActionListener(new
java.awt.event.ActionListener() {

    public void
actionPerformed(java.awt.event.ActionEvent evt) {

        jButton1ActionPerformed(evt);

    }

});

jLabel2.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N

jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Select Subject: ");

```

```

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

        subject.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "DSA", "DBMS",
"java" }));

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

                .addGroup(jPanel1Layout.createSequentialGroup()

                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                                .addGroup(jPanel1Layout.createSequentialGroup()

                                        .addGap(68, 68, 68)

                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

                                                .addComponent(jLabel2)

                                                .addGap(13, 13, 13))

                                .addGroup(jPanel1Layout.createSequentialGroup()

                                        .addComponent(jLabel1)

                                        .addGap(27, 27, 27))))

                        .addGroup(jPanel1Layout.createSequentialGroup()

                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

```

```

.addGroup(jPanell1Layout.createSequentialGroup()
            .addGap(82, 82, 82)
            .addComponent(jLabel3))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel4)))
        .addGap(18, 18, 18)))

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.TRAILING, false)
            .addComponent(exam, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(subject,
javax.swing.GroupLayout.Alignment.LEADING, 0, 151,
Short.MAX_VALUE)
            .addComponent(id,
javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(mark))
        .addGap(0, 77, Short.MAX_VALUE))
    .addGroup(jPanell1Layout.createSequentialGroup()
        .addGap(153, 153, 153)
        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanell1Layout.createSequentialGroup()
            .addGap(64, 64, 64)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

    .addComponent(jLabel1)

    .addComponent(exam,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 35, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

    .addComponent(jLabel2)

    .addComponent(subject,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGap(29, 29, 29)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

    .addComponent(jLabel4)

    .addComponent(id,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGap(35, 35, 35)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addComponent(mark,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)

    .addComponent(jLabel3))

    .addGap(38, 38, 38)

    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE)

    .addGap(68, 68, 68))

);

```



```

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

        getContentPane().setLayout(layout);

        layout.setHorizontalGroup(

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

                .addComponent(jPanell,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                );

        layout.setVerticalGroup(

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

                .addComponent(jPanell,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                );

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

```

```

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        s = con.createStatement();

        String examV = (String) exam.getSelectedItemAt();
        String subjectV = (String) subject.getSelectedItemAt();
        int idV = Integer.parseInt(id.getText());
        int markV = Integer.parseInt(mark.getText());

        String sql = "update "+examV+" set "+subjectV+"_marks
= "+markV+" where student_id = "+idV;

        s.executeUpdate(sql);

        JOptionPane.showMessageDialog(null,"Marks Provided
successfully");
    }
}

```

```

        }

        catch(Exception e){
            JOptionPane.showMessageDialog(null,e);
        }

    }

    /**
     * @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/pl
        af.html

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

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(marks.class.getName()).log(jav
            a.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.JComboBox<String> exam;
```

```
private javax.swing.JTextField id;
```

```
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.JPanel jPanel1;
```

```
private javax.swing.JTextField mark;
```

```
private javax.swing.JComboBox<String> subject;
```

```
// End of variables declaration
```

```

    }

14.      modifyFaculty:

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GuiForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */
public class modifyFaculty extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement ps = null;
    Statement s = null;
    ResultSet rs = null;
    public modifyFaculty() {
        initComponents();
        con = database.connection();
    }

    /**

```

```

        * 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() {

        jPanel1 = new javax.swing.JPanel();
        idt = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        phone_no = new javax.swing.JTextField();
        address = new javax.swing.JTextField();
        subject = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jLabel5 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
        E);

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel6.setFont(new java.awt.Font("Arial", 0, 18)); //
        NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("Name");

```

```
        jLabel7.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setText("Subject");
```

```
        jLabel8.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("Phone number");
```

```
        jLabel9.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setText("Address");
```

```
        name.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                nameActionPerformed(evt);
            }
        });
```

```
        address.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                addressActionPerformed(evt);
            }
        });
```

```
        subject.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                subjectActionPerformed(evt);
            }
        });
```

```

        }
    });

    jButton1.setFont(new java.awt.Font("Tahoma", 0, 18)); //
NOI18N
    jButton1.setText("Update");
    jButton1.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jLabel5.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel5.setForeground(new java.awt.Color(255, 255, 255));
    jLabel5.setText("ID");

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())
            .addGap(134, 134, 134)
            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 125,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

.addGroup(jPanel1Layout.createSequentialGroup())
                .addGap(24, 24, 24)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel9)

.addComponent(jLabel8))

                .addGap(18, 18, 18))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 50, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel7)

.addComponent(jLabel6))

                .addGap(26, 26, 26)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

```



```

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                                .addComponent(phone_no)

                                .addComponent(address)

                                .addComponent(subject,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(name,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE))))

.addGroup(jPanell1Layout.createSequentialGroup()

                                .addGap(68, 68, 68)

                                .addComponent(jLabel5))))

        .addGap(0, 61, Short.MAX_VALUE))

    );

    jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup()

            .addGap(50, 50, 50)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jLabel5))

            .addGap(30, 30, 30)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(jLabel6)

```

```

        .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(23, 23, 23)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel7)

        .addComponent(subject,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(28, 28, 28)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel8,
javax.swing.GroupLayout.PREFERRED_SIZE, 17,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(phone_no,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(28, 28, 28)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel9)

        .addComponent(address,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(33, 33, 33)

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addContainerGap(87, Short.MAX_VALUE))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

```

```

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

        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

layout.setVerticalGroup(

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

        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

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

private void nameActionPerformed(java.awt.event.ActionEvent
evt) {

    // TODO add your handling code here:

}

private void
addressActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}

private void
subjectActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    try{

```

```

        ps=con.prepareStatement("update faculty set id
=? ,name=?,password=?,phone_no=?,address=?,subject=? where id=?");

        int id = Integer.parseInt(idt.getText());

        String name_val = name.getText();

        String password = name_val+"@123";

        String subject_val = subject.getText();

        int phone = Integer.parseInt(phone_no.getText());

        String add = address.getText();

        ps.setInt(1, id);

        ps.setString(2,name_val);

        ps.setString(3,password);

        ps.setInt(4, phone);

        ps.setString(5, add);

        ps.setString(6,subject_val);

        ps.setInt(7, id);

        ps.executeUpdate();


        JOptionPane.showMessageDialog(null,"Updated
successfully");

    }

    catch(Exception e){

        JOptionPane.showMessageDialog(null,e);

    }

}

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

```

        }

    });
}

// Variables declaration - do not modify
private javax.swing.JTextField address;
private javax.swing.JTextField idt;
private javax.swing.JButton jButton1;
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;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField name;
private javax.swing.JTextField phone_no;
private javax.swing.JTextField subject;
// End of variables declaration
}

```

15. modify Student:

```

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template

```

```

    */

/**
 *
 * @author LENOVO
 */
public class modify_student extends javax.swing.JFrame {

    Connection con = null;
    PreparedStatement ps = null;
    Statement s = null;
    ResultSet rs = null;
    public modify_student() {
        initComponents();
        con = database.connection();
    }

    /**
     * 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() {

        jPanel1 = new javax.swing.JPanel();
        phone_no = new javax.swing.JTextField();
        address = new javax.swing.JTextField();
        dobb = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();

```

```

jLabel5 = new javax.swing.JLabel();
idt = new javax.swing.JTextField();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
name = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(0, 204, 255));

address.addActionListener(new
java.awt.event.ActionListener() {

    public void
actionPerformed(java.awt.event.ActionEvent evt) {

        addressActionPerformed(evt);

    }

});

dobb.addActionListener(new
java.awt.event.ActionListener() {

    public void
actionPerformed(java.awt.event.ActionEvent evt) {

        dobbActionPerformed(evt);

    }

});

jButton1.setFont(new java.awt.Font("Tahoma", 0, 18)); //
NOI18N
jButton1.setText("Update");

jButton1.addActionListener(new
java.awt.event.ActionListener() {

```



```

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

    jLabel5.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel5.setForeground(new java.awt.Color(255, 255, 255));
    jLabel5.setText("ID:");

    jLabel6.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel6.setForeground(new java.awt.Color(255, 255, 255));
    jLabel6.setText("Name:");

    jLabel7.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel7.setForeground(new java.awt.Color(255, 255, 255));
    jLabel7.setText("DOB:");

    jLabel8.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel8.setForeground(new java.awt.Color(255, 255, 255));
    jLabel8.setText("Phone number:");

    jLabel9.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
    jLabel9.setForeground(new java.awt.Color(255, 255, 255));
    jLabel9.setText("Address:");

    name.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        nameActionPerformed(evt);
    }
});

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

    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(134, 134, 134)

.addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 125,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(24, 24, 24)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel9)

```

```

.addComponent(jLabel8))

                                .addGap(18, 18, 18))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup())

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELAT
ED, 50, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.TRAILING)

.addComponent(jLabel7)

.addComponent(jLabel6))

                                .addGap(26, 26, 26)))

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.TRAILING)

                                .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)

                                .addComponent(phone_no)

                                .addComponent(address)

                                .addComponent(dobb,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(name,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE))))

.addGroup(jPanell1Layout.createSequentialGroup())

                                .addGap(68, 68, 68)

                                .addComponent(jLabel5))))

.addGap(0, 40, Short.MAX_VALUE))

```

```

    );

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

            .addGap(50, 50, 50)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jLabel5))

            .addGap(30, 30, 30)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(jLabel6)

            .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(23, 23, 23)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(jLabel7)

            .addComponent(dobb,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(28, 28, 28)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

            .addComponent(jLabel8,
javax.swing.GroupLayout.PREFERRED_SIZE, 17,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(phone_no,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(28, 28, 28)

        .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.BASELINE)

        .addComponent(jLabel19)

        .addComponent(address,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(33, 33, 33)

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addContainerGap(36, Short.MAX_VALUE))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

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

        .addComponent(jPanell1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    pack();

```

```

    }// </editor-fold>

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

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

    private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        try{
            ps=con.prepareStatement("update student set id
=?,name=?,password=?,mobile_no=?,address=?,dob=? where id=?");

            int id = Integer.parseInt(idt.getText());
            String name_val = name.getText();
            String password = name_val+"@123";
            String dob = dobb.getText();
            int phone = Integer.parseInt(phone_no.getText());
            String add = address.getText();

            ps.setInt(1, id);
            ps.setString(2,name_val);
            ps.setString(3,password);
            ps.setInt(4, phone);
            ps.setString(5, add);
            ps.setString(6,dob);
            ps.setInt(7, id);
            ps.executeUpdate();

            JOptionPane.showMessageDialog(null,"Updated
successfully");

```

```

        }

        catch(Exception e){
            JOptionPane.showMessageDialog(null,e);
        }
    }

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

    /**
     * @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 ("Nimbus".equals(info.getName())) {

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

```

```
java.util.logging.Logger.getLogger(modify_student.class.getName())
).log(java.util.logging.Level.SEVERE, null, ex);
```

```
    } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(modify_student.class.getName())
).log(java.util.logging.Level.SEVERE, null, ex);
```

```
    } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(modify_student.class.getName())
).log(java.util.logging.Level.SEVERE, null, ex);
```

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

```
java.util.logging.Logger.getLogger(modify_student.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 modify_student().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JTextField address;
```

```
private javax.swing.JTextField dobb;
```

```
private javax.swing.JTextField idt;
```

```
private javax.swing.JButton jButton1;
```

```
private javax.swing.JLabel jLabel5;
```

```
private javax.swing.JLabel jLabel6;
```

```
private javax.swing.JLabel jLabel7;
```

```
private javax.swing.JLabel jLabel8;
```



```

        private javax.swing.JLabel jLabel19;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JTextField name;
        private javax.swing.JTextField phone_no;
        // End of variables declaration
    }
16.         result:

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

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GuiForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */
public class result extends javax.swing.JFrame {
    Connection con = null;
    Statement s = null;
    ResultSet rs1=null,rs2=null,rs3 = null;
    public result() {
        initComponents();
        con = database.connection();
    }

```

```

    }

    /**
     * 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() {

        jLabel2 = new javax.swing.JLabel();
        idt = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        subject = new javax.swing.JComboBox<>();
        jPanel1 = new javax.swing.JPanel();
        jLabel11 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        idvalues = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jLabel7 = new javax.swing.JLabel();
        finval = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        c1 = new javax.swing.JTextField();
        c2 = new javax.swing.JTextField();
        f = new javax.swing.JTextField();
        jLabel9 = new javax.swing.JLabel();
        subval = new javax.swing.JComboBox<>();
    }

```

```

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Enter ID:");

        jLabel8.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("Select subject");

        subject.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "DSA", "DBMS",
"java" }));

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel1.setFont(new java.awt.Font("Arial", 1, 24)); //
NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("RESULT");

        jLabel3.setFont(new java.awt.Font("Tahoma", 0, 14)); //
NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("Enter ID:");

        jButton1.setFont(new java.awt.Font("Tahoma", 0, 18)); //
NOI18N
        jButton1.setText("view");
        jButton1.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jButton1ActionPerformed(evt);
    }
});

NOI18N
jLabel7.setFont(new java.awt.Font("Arial", 0, 18)); //
jLabel7.setForeground(new java.awt.Color(255, 255, 255));
jLabel7.setText("FINAL MARK :");

NOI18N
jLabel4.setFont(new java.awt.Font("Arial", 0, 18)); //
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("CAT -1 :");

NOI18N
jLabel5.setFont(new java.awt.Font("Arial", 0, 18)); //
jLabel5.setForeground(new java.awt.Color(255, 255, 255));
jLabel5.setText("CAT - 2 :");

NOI18N
jLabel6.setFont(new java.awt.Font("Arial", 0, 18)); //
jLabel6.setForeground(new java.awt.Color(255, 255, 255));
jLabel6.setText("FAT :");

NOI18N
jLabel9.setFont(new java.awt.Font("Arial", 0, 18)); //
jLabel9.setForeground(new java.awt.Color(255, 255, 255));
jLabel9.setText("Select subject");

subval.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "DSA", "DBMS",
"java" }));

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

```

```

jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

    .addGroup(jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(45, 45, 45)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
    .addComponent(jLabel3)
    .addGap(60, 60, 60))

.addGroup(jPanel1Layout.createSequentialGroup())
    .addComponent(jLabel9)
    .addGap(55, 55, 55))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.TRAILING, false)
    .addComponent(subval, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(idvalues,
javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(55, 55, 55)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup())

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                                .addComponent(jLabel6)

                                .addComponent(jLabel7)

                                .addComponent(jLabel5)

                                .addComponent(jLabel4))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                                .addComponent(c1)

                                .addComponent(c2)

                                .addComponent(f)

                                .addComponent(finval,
javax.swing.GroupLayout.PREFERRED_SIZE, 124,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup())

.addGap(79, 79, 79)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(jLabel1))))))

.addContainerGap(53, Short.MAX_VALUE)

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                                .addGroup(jPanel1Layout.createSequentialGroup())

                                .addGap(34, 34, 34)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jLabel13)

        .addComponent(idvalues,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNREL
ATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(jLabel19)

        .addComponent(subval,
javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(30, 30, 30)

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(33, 33, 33)

        .addComponent(jLabel11)

        .addGap(18, 18, 18)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(c1,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel14))

        .addGap(33, 33, 33)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(c2,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel15))

        .addGap(35, 35, 35)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

```

```

        .addComponent(f,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel6))

    .addGap(31, 31, 31)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(jLabel7)

        .addComponent(finval,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(61, Short.MAX_VALUE))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

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

        .addGroup(layout.createSequentialGroup())

        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(0, 0, Short.MAX_VALUE))

    );

```



```

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

    private void
    jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        try{
            s = con.createStatement();
            String idv = idvalues.getText();
            String a = null,b = null,c = null;
            String sub = (String) subval.getSelectedItem();
            String sql1 = "select "+sub+"_marks from cat1 where
student_id= "+idv;
            String sql2 = "select "+sub+"_marks from cat2 where
student_id= "+idv;
            String sql3 = "select "+sub+"_marks from fat where
student_id= "+idv;
            rs1 = s.executeQuery(sql1);
            if(rs1.next()){
                a = rs1.getString(1);
                c1.setText(a);
            }
            rs2 = s.executeQuery(sql2);
            if(rs2.next()){
                b = rs2.getString(1);
                c2.setText(b);
            }
            rs3 = s.executeQuery(sql3);
            if(rs3.next()){
                c = rs3.getString(1);
                f.setText(c);
            }
            int av = Integer.parseInt(a);
            int bv = Integer.parseInt(b);
            int cv = Integer.parseInt(c);

```

```

        String fin = Float.toString((av+bv+cv)/3);
        finval.setText(fin);
    }
    catch (SQLException ex) {
        JOptionPane.showMessageDialog(null, ex);
    }
}

/**
 * @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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(result.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

```

```

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(result.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(result.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
        {

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

// Variables declaration - do not modify
private javax.swing.JTextField c1;
private javax.swing.JTextField c2;
private javax.swing.JTextField f;
private javax.swing.JTextField finval;
private javax.swing.JTextField idt;
private javax.swing.JTextField idvalues;
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.JLabel jLabel8;
        private javax.swing.JLabel jLabel9;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JComboBox<String> subject;
        private javax.swing.JComboBox<String> subval;
        // End of variables declaration
    }

```

17. student login:

```

import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */

```

```

public class stu_login extends javax.swing.JFrame {

    Connection con = null;
    Statement s = null;
    ResultSet rs = null;

    /**
     * Creates new form stu_login
     */
    public stu_login() {
        con = database.connection();
        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() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        user = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        pass = new javax.swing.JPasswordField();

```

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

```
jPanel1.setBackground(new java.awt.Color(0, 204, 255));
```

```
NOI18N  
jLabel1.setFont(new java.awt.Font("Arial", 1, 36)); //
```

```
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel1.setText("STUDENT LOGIN");
```

```
NOI18N  
jLabel2.setFont(new java.awt.Font("Arial", 0, 24)); //
```

```
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel2.setText("Username");
```

```
NOI18N  
jLabel3.setFont(new java.awt.Font("Arial", 0, 24)); //
```

```
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel3.setText("Password");
```

```
NOI18N  
jButton1.setFont(new java.awt.Font("Arial", 0, 18)); //
```

```
jButton1.setText("Login");
```

```
jButton1.addActionListener(new  
java.awt.event.ActionListener() {
```

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

```
        jButton1ActionPerformed(evt);
```

```
    }
```

```
});
```

```
NOI18N  
jButton2.setFont(new java.awt.Font("Arial", 0, 18)); //
```

```
jButton2.setText("Back");
```

```

        jButton2.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                jButton2ActionPerformed(evt);

            }

        });

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addGap(167, 167, 167)

                    .addComponent(jLabel3))

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addGap(165, 165, 165)

                    .addComponent(jLabel2))

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addGap(72, 72, 72)

                    .addComponent(jLabel1))

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addGap(11, 11, 11)

```

```

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 108,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(52, 52, 52)

        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 108,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup())

        .addGap(112, 112, 112)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.LEADING, false)

        .addComponent(user)

        .addComponent(pass,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))

        .addContainerGap(83, Short.MAX_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

            .addGap(54, 54, 54)

            .addComponent(jLabel11)

            .addGap(29, 29, 29)

            .addComponent(jLabel12)

            .addGap(18, 18, 18)

            .addComponent(user,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(32, 32, 32)

            .addComponent(jLabel13)

            .addGap(18, 18, 18)

            .addComponent(pass,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(43, 43, 43)

```



```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(jButton1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 51,
                javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jButton2,
                javax.swing.GroupLayout.PREFERRED_SIZE, 51,
                javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(182, Short.MAX_VALUE))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

            .addComponent(jPanel1,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            );

    layout.setVerticalGroup(

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

            .addComponent(jPanel1,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            );

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

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    try {

```

```

        s = con.createStatement();

        String username = user.getText();

        String password = pass.getText();

        String sql1 = "select *from student where
name='"+username+"' && password = '"+password+"'";

        rs = s.executeQuery(sql1);

        if(rs.next()){

            setVisible(false);

            String sql2 ="select id from student where
name='"+username+"'";

            ResultSet rs2 = s.executeQuery(sql2);

            if(rs2.next()){

                int id =
Integer.parseInt(rs2.getString("id"));

                student s = new student();

                s.setVisible(true);

            }

        }

        else{

            JOptionPane.showMessageDialog(null, "INVALID
PASSWORD OR USERNAME");

        }

    } catch (SQLException ex) {

        JOptionPane.showMessageDialog(null, ex);

    }

}

private void
jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

    home h = new home();

    h.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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(stu_login.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(stu_login.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(stu_login.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
{

```

```

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

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField pass;
private javax.swing.JTextField user;

// End of variables declaration
}

18.      Student:

/*

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nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template

*/

```

```
/**
 *
 * @author LENOVO
 */
public class student extends javax.swing.JFrame {

    int id;

    public student() {
        id = this.id;
        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();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();

        jLabel1.setText("jLabel1");
    }
}
```

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

```
jPanel1.setBackground(new java.awt.Color(0, 204, 255));
```

```
NOI18N    jLabel2.setFont(new java.awt.Font("Arial", 1, 36)); //
```

```
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel2.setText("STUDENT PORTAL");
```

```
NOI18N    jButton1.setFont(new java.awt.Font("Arial", 0, 14)); //
```

```
jButton1.setText("view marks");
```

```
jButton1.addActionListener(new  
java.awt.event.ActionListener() {  
    public void  
actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});
```

```
NOI18N    jButton2.setFont(new java.awt.Font("Arial", 0, 14)); //
```

```
jButton2.setText("Analyse marks");
```

```
jButton2.addActionListener(new  
java.awt.event.ActionListener() {  
    public void  
actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton2ActionPerformed(evt);  
    }  
});
```

```
NOI18N    jButton3.setFont(new java.awt.Font("Arial", 0, 14)); //
```

```
jButton3.setText("view details");
```

```

        jButton3.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                jButton3ActionPerformed(evt);

            }

        });

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGap(46, Short.MAX_VALUE)

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

                        .addComponent(jLabel2)

                        .addGap(44, 44, 44))

                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

                        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(124, 124, 124)))

    );

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addGap(46, 46, 46)

            .addComponent(jLabel2)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELAT
ED, 31, Short.MAX_VALUE)

            .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(33, 33, 33)

            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(31, 31, 31)

            .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(64, 64, 64))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEAD
ING)

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

```



```

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

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

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    result r = new result();

    r.setVisible(true);

}

private void
jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

    analyseMarks am = new analyseMarks();

    am.setVisible(true);

}

private void
jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

    viewStudent vs = new viewStudent();

    vs.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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;

                }

            }

        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(student.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(student.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(student.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
{

java.util.logging.Logger.getLogger(student.class.getName()).log(j
ava.util.logging.Level.SEVERE, null, ex);

        }

    }

//</editor-fold>

    /* Create and display the form */

```

```

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new student().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    // End of variables declaration
}

19.      Subject analyse:
import org.jfree.chart.ChartFactory;
import org.jfree.chart.ChartFrame;
import org.jfree.chart.JFreeChart;
import org.jfree.data.general.DefaultPieDataset;

public class subAnalyse
{

    public void showPie(String sub,int a,int b,int c) {

        DefaultPieDataset dataset = new DefaultPieDataset();
        dataset.setValue("CAT - 1", a);
        dataset.setValue("CAT - 2", b);
        dataset.setValue("FAT", c);
        // create a chart...
    }
}

```

```

        JFreeChart chart = ChartFactory.createPieChart(sub+"
Marks ", dataset, true, // legend?

        true, // tooltips?

        false // URLs?

    );

    ChartFrame frame = new ChartFrame("JFreeChat Pie Chart",
chart);

    frame.pack();

    frame.setVisible(true);

}

/*public static void main(String args[]){
    analyse a = new analyse(20,30,40);
    a.showPie(20, 30, 40);
}*/
}

```

20. View faculty:

```

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

/*
    * Click
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edit this template

*/

/**
 *
 * @author LENOVO

```

```

*/
public class viewFaculty extends javax.swing.JFrame {
    Connection con = null;
    Statement s = null;
    ResultSet rs = null;
    /**
     * Creates new form viewFaculty
     */
    public viewFaculty() {

        con = database.connection();
        initComponents();
    }
    /*public void show(){
        try{
            s = con.createStatement();

            String sql = "select id,name,phone_no,address,subject
from faculty";

            rs = s.executeQuery(sql);

            while (rs.next()) // By this line we will step through our
data row-by-row
            {

                String id_val = rs.getString("id");
                String name_val = rs.getString("name");
                String phone = rs.getString("phone_no");

                String address = rs.getString("address");
                String subject = rs.getString("subject");

                String col[] =
{"id","name","phone","address","subject"};

                String row[] =
{id_val,name_val,phone,address,subject};

                DefaultTableModel tblModel =
(DefaultTableModel) jTable1.getModel();

```

```

        tblModel.addColumn(col);
        tblModel.addRow(row);
    }

//jTable1.setModel(DbUtils.resultSetToTableModel(rs));
    }

    catch (SQLException ex) {
        JOptionPane.showMessageDialog(null,ex);
    }
}*/
/**
 * 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() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        val = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        idt = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();

```

```

        phone_no = new javax.swing.JTextField();
        address = new javax.swing.JTextField();
        subject = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        option = new javax.swing.JComboBox<>();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel1.setFont(new java.awt.Font("Arial", 0, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Enter :");

        jButton1.setFont(new java.awt.Font("Arial", 0, 14)); // NOI18N
        jButton1.setText("View");
        jButton1.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jPanel2.setBackground(new java.awt.Color(0, 204, 255));

        jPanel2.setBorder(javax.swing.BorderFactory.createBevelBorder(javax
.swing.border.BevelBorder.RAISED));

        idt.setFont(new java.awt.Font("Arial", 0, 14)); // NOI18N

```

```

        idt.addActionListener(new java.awt.event.ActionListener()
{
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        idtActionPerformed(evt);
    }
});

jLabel6.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
jLabel6.setForeground(new java.awt.Color(255, 255, 255));
jLabel6.setText("Name");

jLabel7.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
jLabel7.setForeground(new java.awt.Color(255, 255, 255));
jLabel7.setText("Subject");

jLabel8.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
jLabel8.setForeground(new java.awt.Color(255, 255, 255));
jLabel8.setText("Phone number");

jLabel9.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
jLabel9.setForeground(new java.awt.Color(255, 255, 255));
jLabel9.setText("Address");

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

```



```

        });

        phone_no.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

        address.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

        address.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                addressActionPerformed(evt);

            }

        });

        subject.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

        subject.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                subjectActionPerformed(evt);

            }

        });

        jLabel5.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N

        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("ID");

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);

        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

```

```

        .addGap(0, 379, Short.MAX_VALUE)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel2Layout.createSequentialGroup()

                .addGap(24, 24, 24)

            )

        )

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        )

        .addGroup(jPanel2Layout.createSequentialGroup()

        )

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

        )

        .addGroup(jPanel2Layout.createSequentialGroup()

        )

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

            .addComponent(jLabel9)

            .addComponent(jLabel8))

            .addGap(18, 18, 18))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

        )

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 50, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

            .addComponent(jLabel7)

            .addComponent(jLabel6))

            .addGap(26, 26, 26)))

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

            .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                                .addComponent(phone_no)

                                .addComponent(address)

                                .addComponent(subject,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(name,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE))))

.addGroup(jPanel2Layout.createSequentialGroup()

                                .addGap(68, 68, 68)

                                .addComponent(jLabel15)))

.addContainerGap(24, Short.MAX_VALUE)))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                                .addGap(0, 359, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                                .addGroup(jPanel2Layout.createSequentialGroup()

                                            .addGap(40, 40, 40)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                                .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(jLabel15))

                                .addGap(30, 30, 30)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jLabel6)

        .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(23, 23, 23)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(jLabel7)

        .addComponent(subject,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(jLabel8,
javax.swing.GroupLayout.PREFERRED_SIZE, 17,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(phone_no,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(jLabel9)

        .addComponent(address,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(41, Short.MAX_VALUE)))

);

jLabel2.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Select option:");

```

```

        option.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

        option.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "id", "name"
}));

        option.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                optionActionPerformed(evt);

            }

        });

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGroup(jPanel1Layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addGroup(jPanel1Layout.createParallelGroup(
)

                            .addGroup(jPanel1Layout.createParallel
Group(javax.swing.GroupLayout.Alignment.LEADING)

                                .addGroup(jPanel1Layout.createSe
quentialGroup()

                                    .addGap(66, 66, 66)

                                )

                            .addGroup(jPanel1Layout.createParallel
Group(javax.swing.GroupLayout.Alignment.LEADING)

                                .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.TRAILING)

                                .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING)

                                .addGap(34, 34, 34)

                            )

                        )

                    )

                )

            .addGroup(jPanel1Layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING, false)

```

```

        .addComponent(option, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 194,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanell1Layout.createSequentialGroup())

        .addGap(164, 164, 164)

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanell1Layout.createSequentialGroup())

        .addGap(42, 42, 42)

        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addContainerGap(47, Short.MAX_VALUE))

);

jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

        .addGroup(jPanell1Layout.createSequentialGroup())

        .addContainerGap(47, Short.MAX_VALUE)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(option,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel2))

        .addGap(18, 18, 18)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

        .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jLabel1))

        .addGap(18, 18, 18)

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(25, 25, 25))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

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

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

        try{
            String opt = (String)option.getSelectedItem();
            String value = val.getText();
            s = con.createStatement();
            String sql = "select * from faculty where
"+opt+"='"+value+"'";
            rs = s.executeQuery(sql);
            if (rs.next()) // By this line we will step through
our data row-by-row
            {
                phone_no.setText(rs.getString("phone_no"));
                address.setText(rs.getString("address"));
                subject.setText(rs.getString("subject"));
                idt.setText(rs.getString("id"));
                name.setText(rs.getString("name"));
            }
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null,e);
        }
    }

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

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

    private void
subjectActionPerformed(java.awt.event.ActionEvent evt) {

```



```

        // TODO add your handling code here:
    }

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

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

    /**
     * @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/pl
        af.html
        */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;
                }
            }
        }
    }

```

```

        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(viewFaculty.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(viewFaculty.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(viewFaculty.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex)
{

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

// Variables declaration - do not modify
private javax.swing.JTextField address;
private javax.swing.JTextField idt;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
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;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JPanel jPanel2;
        private javax.swing.JTextField name;
        private javax.swing.JComboBox<String> option;
        private javax.swing.JTextField phone_no;
        private javax.swing.JTextField subject;
        private javax.swing.JTextField val;

        // End of variables declaration
    }

21.      View student:

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

/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
default.txt to change this license
 * Click
nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */

/**
 *
 * @author LENOVO
 */
public class viewStudent extends javax.swing.JFrame {

    Connection con = null;

```

```

Statement s = null;
ResultSet rs = null;
public viewStudent() {
    initComponents();
    con = database.connection();
}

/**
 * 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() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    val = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();
    jPanel2 = new javax.swing.JPanel();
    idt = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    name = new javax.swing.JTextField();
    phone_no = new javax.swing.JTextField();
    address = new javax.swing.JTextField();
    dob = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();

```

```

        jLabel2 = new javax.swing.JLabel();
        option = new javax.swing.JComboBox<>();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(0, 204, 255));

        jLabel1.setFont(new java.awt.Font("Arial", 0, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Enter :");

        jButton1.setFont(new java.awt.Font("Arial", 0, 14)); // NOI18N
        jButton1.setText("View");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jPanel2.setBackground(new java.awt.Color(0, 204, 255));

jPanel2.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

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

```

```

        }
    });

    NOI18N    jLabel6.setFont(new java.awt.Font("Arial", 0, 18)); //
              jLabel6.setForeground(new java.awt.Color(255, 255, 255));
              jLabel6.setText("Name");

    NOI18N    jLabel7.setFont(new java.awt.Font("Arial", 0, 18)); //
              jLabel7.setForeground(new java.awt.Color(255, 255, 255));
              jLabel7.setText("DOB:");

    NOI18N    jLabel8.setFont(new java.awt.Font("Arial", 0, 18)); //
              jLabel8.setForeground(new java.awt.Color(255, 255, 255));
              jLabel8.setText("Phone number");

    NOI18N    jLabel9.setFont(new java.awt.Font("Arial", 0, 18)); //
              jLabel9.setForeground(new java.awt.Color(255, 255, 255));
              jLabel9.setText("Address");

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

    NOI18N    phone_no.setFont(new java.awt.Font("Arial", 0, 14)); //

```

```

        address.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

        address.addActionListener(new
java.awt.event.ActionListener() {

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                addressActionPerformed(evt);

            }

        });

        dob.setFont(new java.awt.Font("Arial", 0, 14)); // NOI18N
        dob.addActionListener(new java.awt.event.ActionListener()
{

            public void
actionPerformed(java.awt.event.ActionEvent evt) {

                dobActionPerformed(evt);

            }

        });

        jLabel5.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("ID");

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);

        jPanel2.setLayout(jPanel2Layout);

        jPanel2Layout.setHorizontalGroup(

            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

                .addGroup(jPanel2Layout.createSequentialGroup()

                    .addGap(0, 379, Short.MAX_VALUE)

                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                        .addGroup(jPanel2Layout.createSequentialGroup()

```

```

        .addGap(24, 24, 24)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                .addComponent(jLabel9)
                .addComponent(jLabel8))
            .addGap(18, 18, 18))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup())

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 50, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                .addComponent(jLabel7)
                .addComponent(jLabel6))
            .addGap(26, 26, 26)))

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

                .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

                .addComponent(phone_no)
                .addComponent(address)

```



```

                                .addComponent(dob,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(name,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 196,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanel2Layout.createSequentialGroup()

                                .addGap(68, 68, 68)

                                .addComponent(jLabel5))

                                .addContainerGap(24, Short.MAX_VALUE)))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)

                                .addGap(0, 359, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                                .addGroup(jPanel2Layout.createSequentialGroup()

                                            .addGap(40, 40, 40)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

                                .addComponent(idt,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(jLabel5))

                                .addGap(30, 30, 30)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)

                                .addComponent(jLabel6)

                                .addComponent(name,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

                                .addGap(23, 23, 23)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                                .addComponent(jLabel17)

                                .addComponent(dob,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

                                .addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                                .addComponent(jLabel18,
javax.swing.GroupLayout.PREFERRED_SIZE, 17,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                .addComponent(phone_no,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))

                                .addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                                .addComponent(jLabel19)

                                .addComponent(address,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))

                                .addContainerGap(41, Short.MAX_VALUE)))

);

jLabel2.setFont(new java.awt.Font("Arial", 0, 18)); //
NOI18N

jLabel2.setForeground(new java.awt.Color(255, 255, 255));

jLabel2.setText("Select option:");

option.setFont(new java.awt.Font("Arial", 0, 14)); //
NOI18N

option.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "id", "name"
}));

option.addActionListener(new
java.awt.event.ActionListener() {

```

```

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

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

    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
    nt.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
    ut.Alignment.LEADING)

    .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(164, 164, 164)
        .addComponent(jButton1,
    javax.swing.GroupLayout.PREFERRED_SIZE, 103,
    javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(20, 20, 20)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
    ut.Alignment.TRAILING)
        .addComponent(jPanel2,
    javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE)

    .addGroup(jPanel1Layout.createSequentialGroup())

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayo
    ut.Alignment.LEADING)

        .addComponent(jLabel1,
    javax.swing.GroupLayout.Alignment.TRAILING)

```

```

                                .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING))
                                .addGap(34, 34, 34)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)
                                .addComponent(option, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 194,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
                                .addContainerGap(49, Short.MAX_VALUE))
);
jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
                                .addGroup(jPanell1Layout.createSequentialGroup())

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
                                .addComponent(option,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(jLabel2))
                                .addGap(18, 18, 18)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
                                .addComponent(val,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(jLabel1))
                                .addGap(18, 18, 18)
                                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(18, 18, 18)

        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(121, 121, 121))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    );

    layout.setVerticalGroup(

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

        .addGroup(layout.createSequentialGroup()

            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 601,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(0, 2, Short.MAX_VALUE))

        );

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

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    try{

        String opt = (String)option.getSelectedItem();

```

```

        String value = val.getText();

        s = con.createStatement();

        String sql = "select * from student where
"+opt+"='"+value+"'";

        rs = s.executeQuery(sql);

        if (rs.next()) // By this line we will step through
our data row-by-row
        {

            phone_no.setText(rs.getString("mobile_no"));
            address.setText(rs.getString("address"));
            dob.setText(rs.getString("dob"));
            idt.setText(rs.getString("id"));
            name.setText(rs.getString("name"));

        }
    }

    catch(Exception e){

        JOptionPane.showMessageDialog(null,e);

    }

}

private void idtActionPerformed(java.awt.event.ActionEvent
evt) {

    // TODO add your handling code here:

}

private void nameActionPerformed(java.awt.event.ActionEvent
evt) {

    // TODO add your handling code here:

}

private void
addressActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}

```

```

        private void dobActionPerformed(java.awt.event.ActionEvent
evt) {

            // TODO add your handling code here:

        }

        private void optionActionPerformed(java.awt.event.ActionEvent
evt) {

            // TODO add your handling code here:

        }

/**
 * @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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;

                }

            }

        } catch (ClassNotFoundException ex) {

```

```
java.util.logging.Logger.getLogger(viewStudent.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(viewStudent.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(viewStudent.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

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

```
java.util.logging.Logger.getLogger(viewStudent.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 viewStudent().setVisible(true);

        }

    });

}
```

```
// Variables declaration - do not modify

private javax.swing.JTextField address;

private javax.swing.JTextField dob;

private javax.swing.JTextField idt;

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

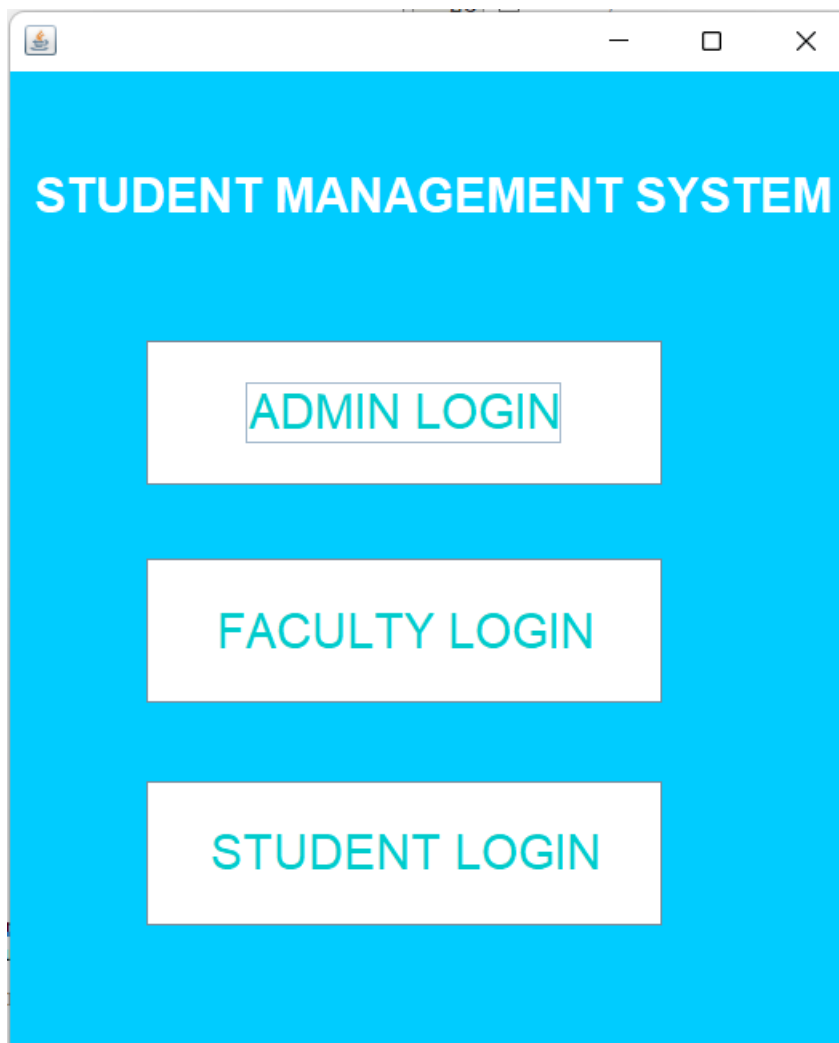
private javax.swing.JLabel jLabel5;


private javax.swing.JLabel jLabel6;
```



```
private javax.swing.JLabel jLabel7;  
private javax.swing.JLabel jLabel8;  
private javax.swing.JLabel jLabel9;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JTextField name;  
private javax.swing.JComboBox<String> option;  
private javax.swing.JTextField phone_no;  
private javax.swing.JTextField val;  
// End of variables declaration  
}
```

Output:



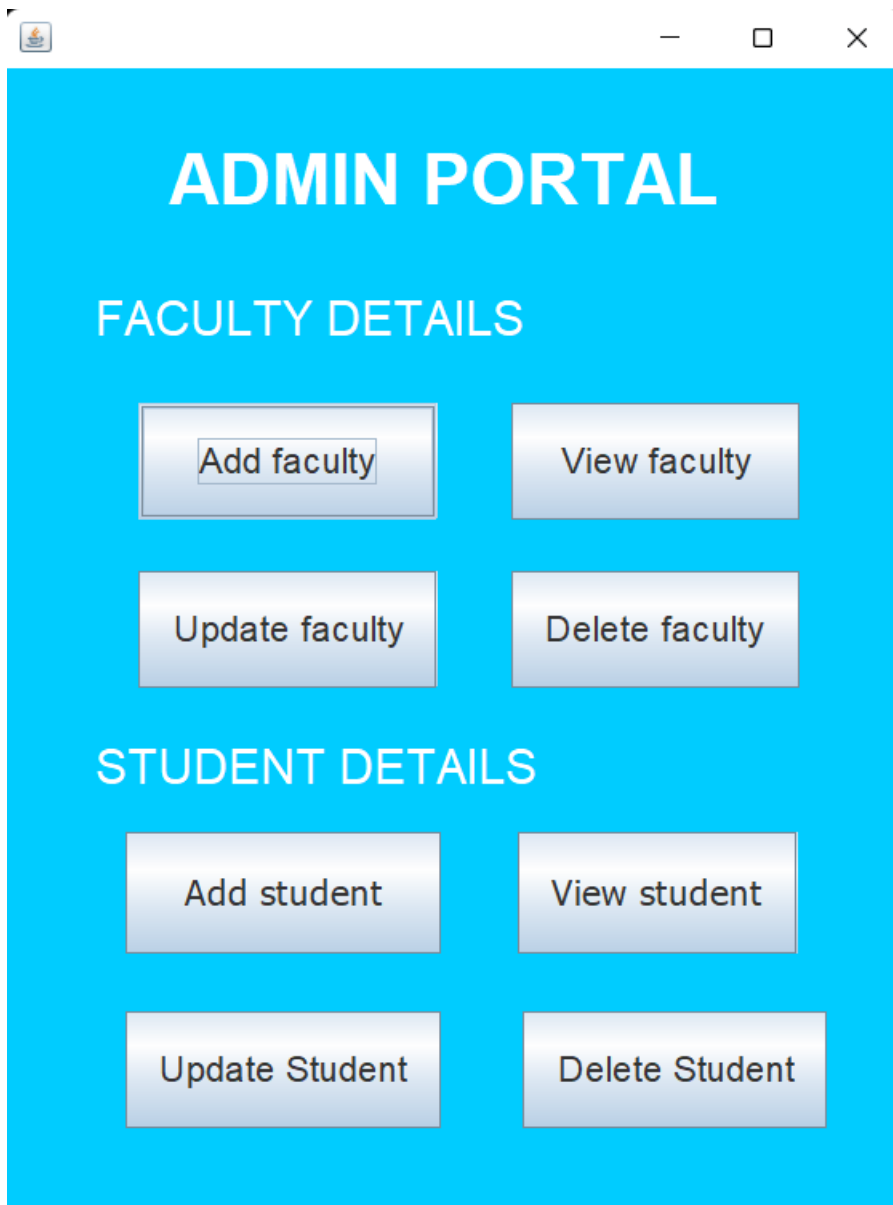
 Login

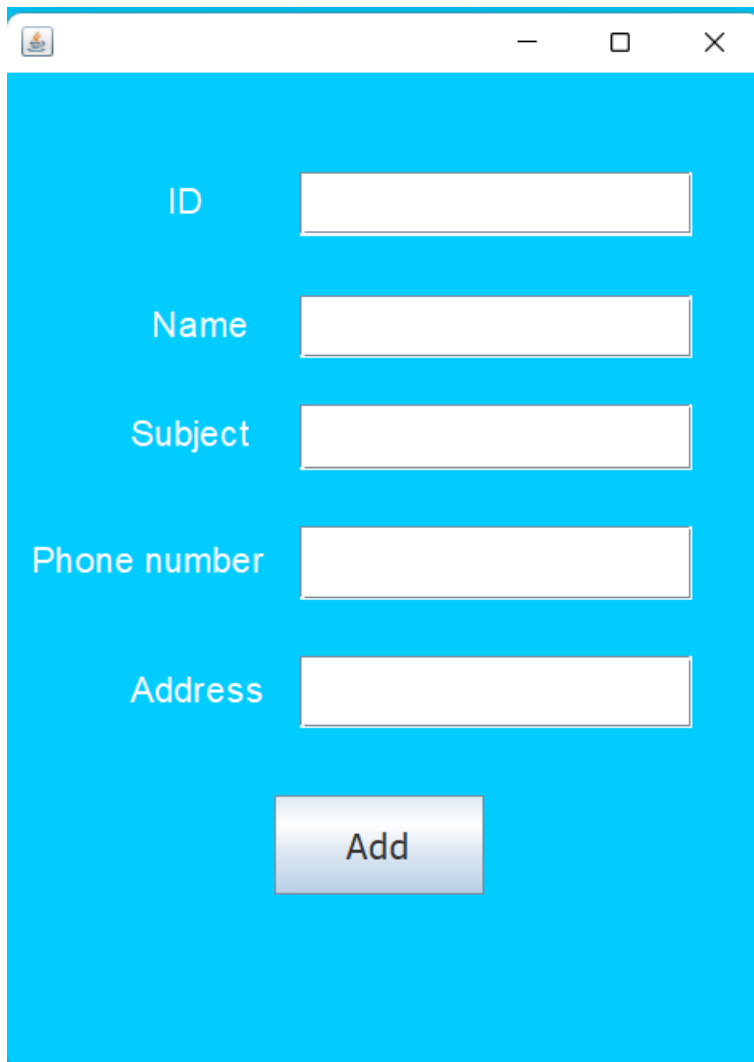
ADMIN LOGIN

Username

Password

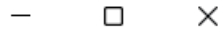
Login Back





A web browser window with a blue header bar containing a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area has a solid blue background. It contains a form with five white input fields, each preceded by a label in white text. The labels are 'ID', 'Name', 'Subject', 'Phone number', and 'Address'. Below these fields is a single white button with a blue gradient and the text 'Add' in blue.

ID	<input type="text"/>
Name	<input type="text"/>
Subject	<input type="text"/>
Phone number	<input type="text"/>
Address	<input type="text"/>



Select option:

id

id

name

Enter :

View

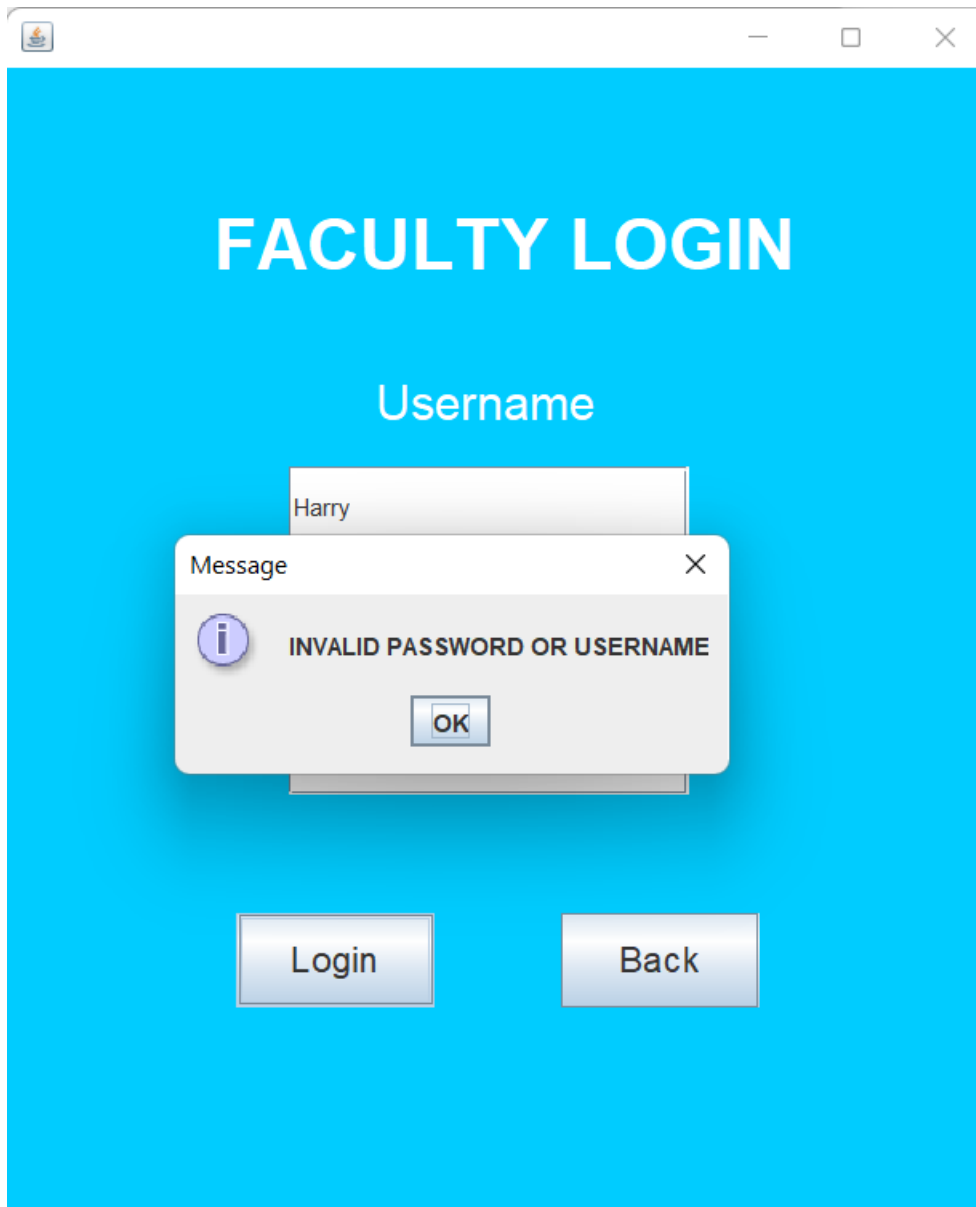
ID

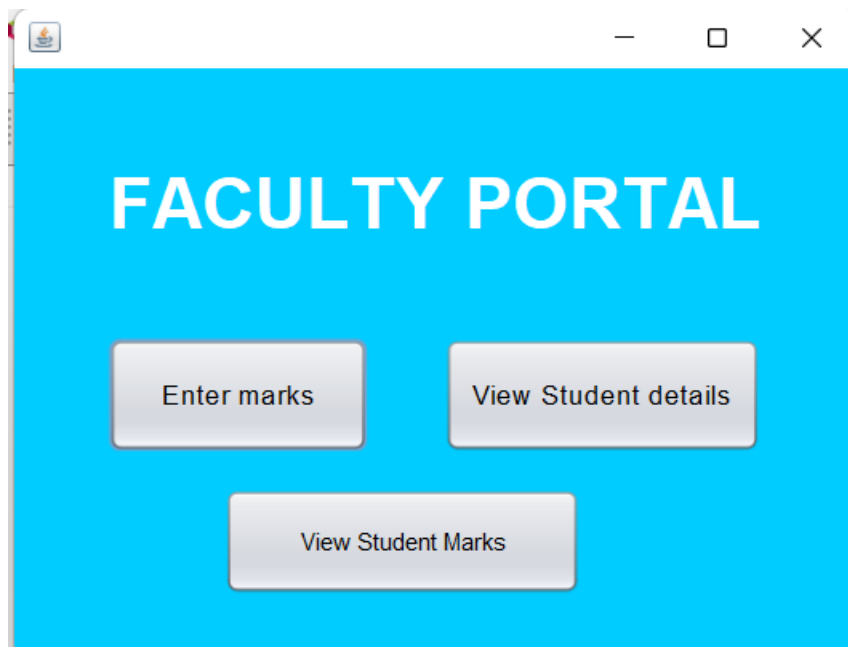
Name

Subject

Phone number

Address





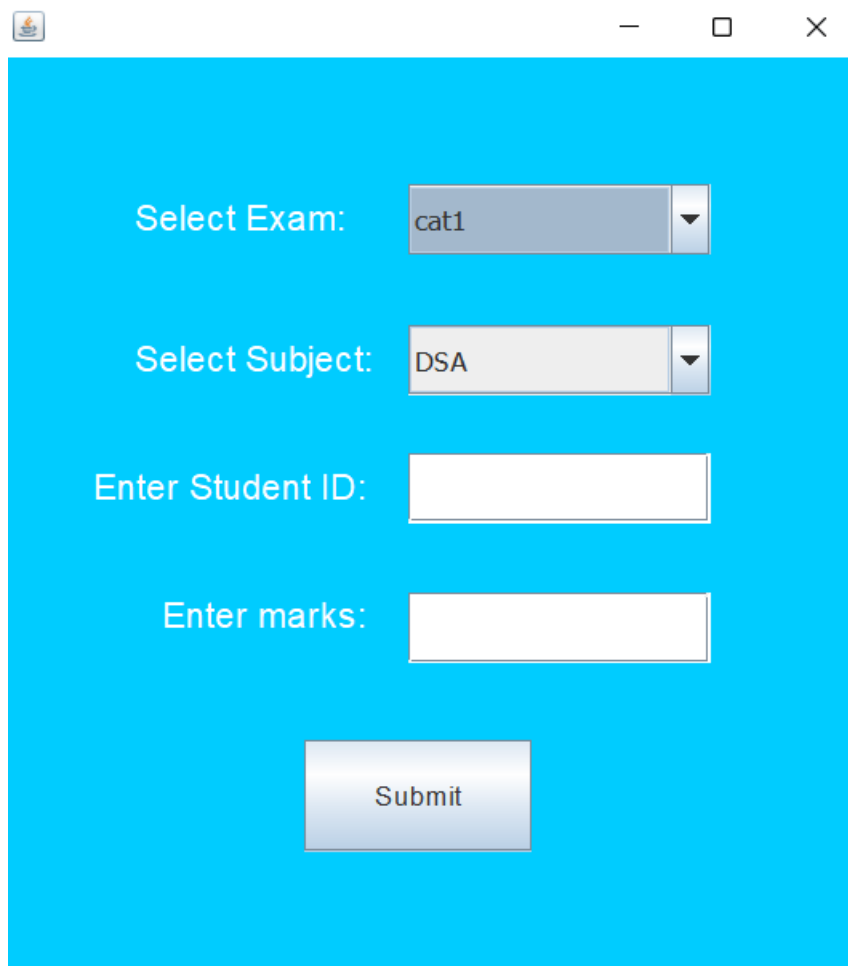
A window titled "FACULTY PORTAL" with a blue background. It contains three buttons: "Enter marks", "View Student details", and "View Student Marks".

FACULTY PORTAL

Enter marks

View Student details

View Student Marks



A window containing a form with the following fields and controls:

- Select Exam: cat1 (dropdown menu)
- Select Subject: DSA (dropdown menu)
- Enter Student ID: (text input field)
- Enter marks: (text input field)
- Submit (button)


Select Exam: cat1

Select Subject: DSA

Enter Student ID:

Enter marks:

Submit

— □ ×

Enter ID:

Select subject

DSA ▼

view

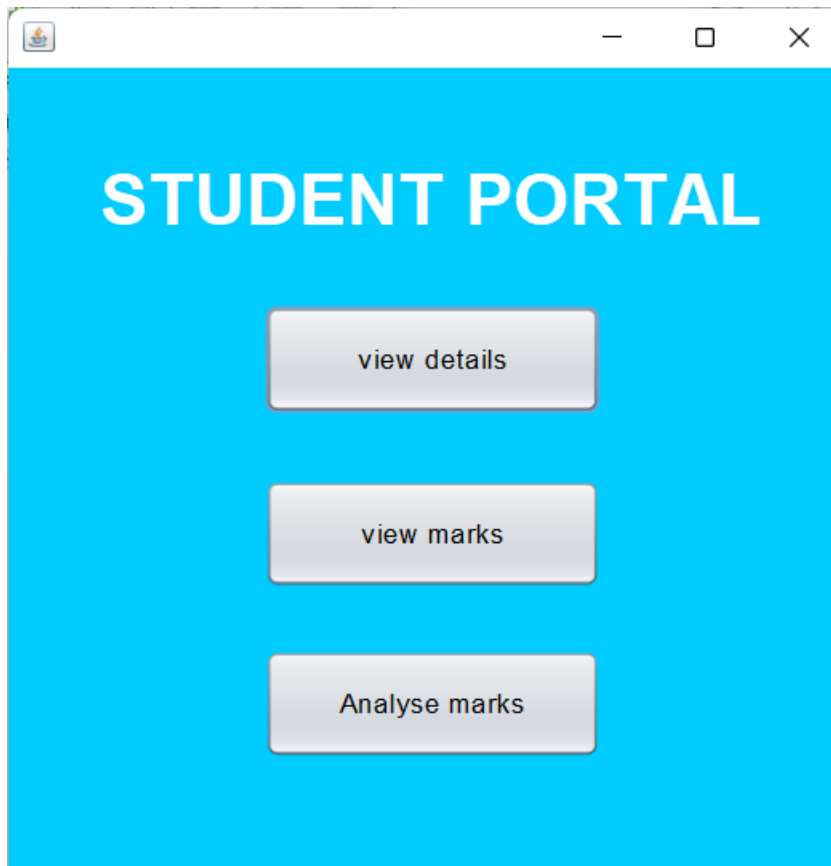
RESULT

CAT -1 :

CAT - 2 :

FAT :

FINAL MARK :





Enter ID:

Select subject

DSA



view


RESULT

CAT -1 :

CAT - 2 :

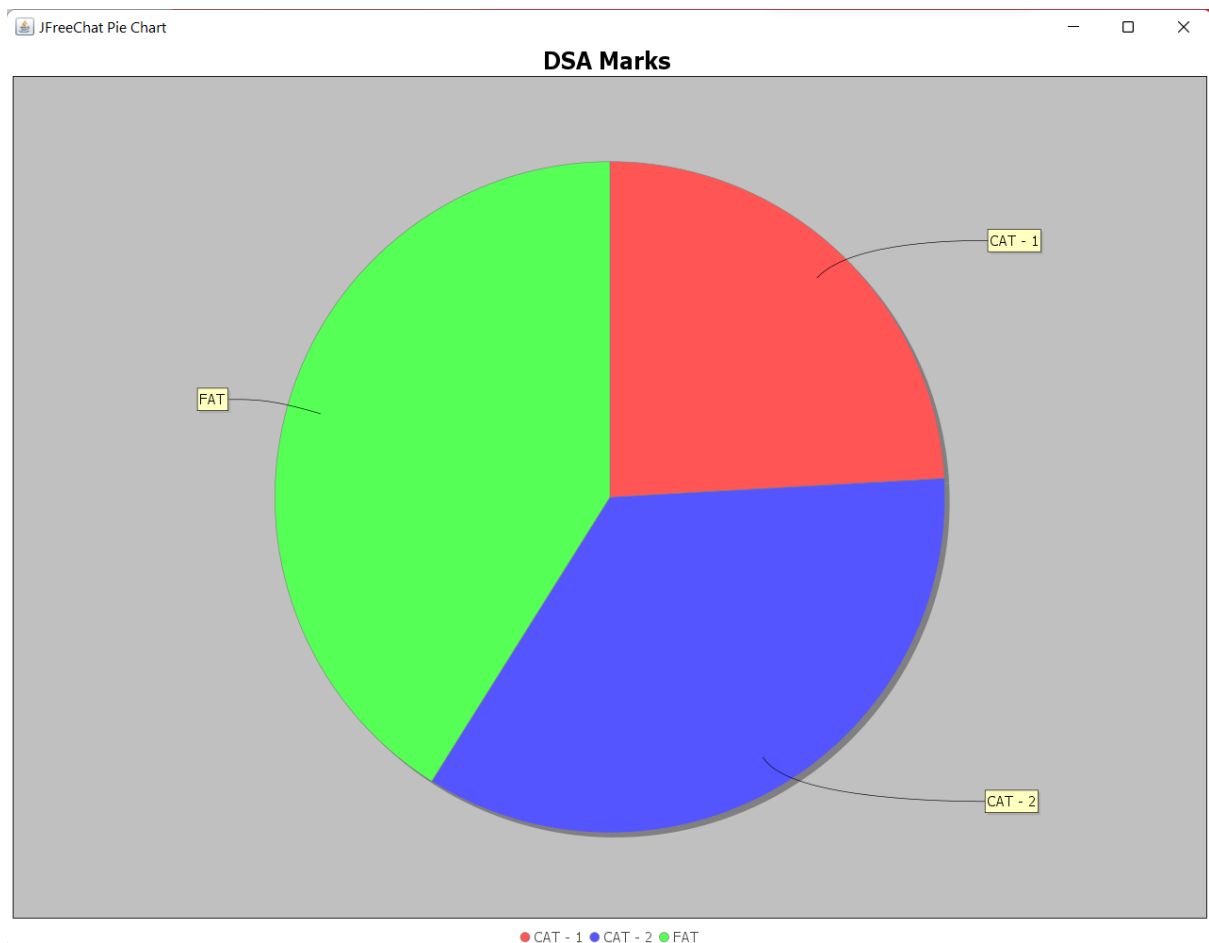
FAT :

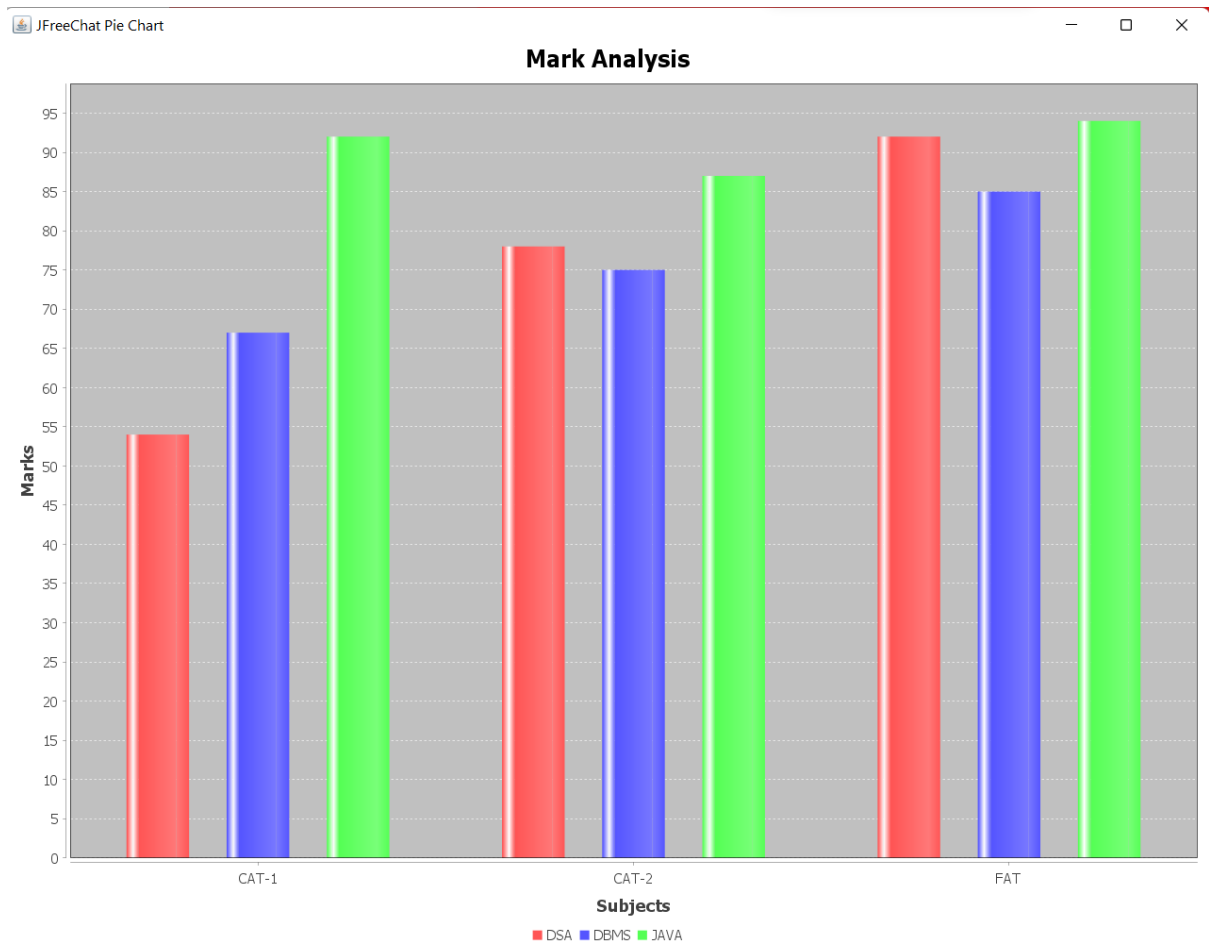
FINAL MARK :

— □ ×

Enter ID:

Select subject





Source code:

<https://github.com/sadhansd/Student-Management-System>