

JAVA AND DBMS PROJECT

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AUDIT DETAILS:

```
package student.information.system;

import javax.swing.JOptionPane;

import java.awt.*;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.util.Calendar;

import java.util.GregorianCalendar;

import javax.swing.*;

import net.proteanit.sql.DbUtils;


public class Audit_details extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**
     * Creates new form Audit_details
     */

    public Audit_details() {

        initComponents();

        conn=db.java_db();

        Toolkit toolkit = getToolkit();
```

```

        Dimension size = toolkit.getScreenSize();
        setLocation(size.width/2 - getWidth()/2,
        size.height/2 - getHeight()/2);

        Update_table3();

    }

    private void Update_table3() {
    try{

        String sql ="select * from Audit";

        pst=conn.prepareStatement(sql);
        rs=pst.executeQuery();
        tbl_3.setModel(DbUtils.resultSetToTableModel(rs));

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

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

```

```
    }  
    }  
}
```

```
/**
```

```
 * 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"> //GEN-BEGIN: initComponents
```

```
private void initComponents() {
```

```
    jPanel3 = new javax.swing.JPanel();
```

```
    jScrollPane3 = new javax.swing.JScrollPane();
```

```
    tbl_3 = new javax.swing.JTable();
```

```
    jButton1 = new javax.swing.JButton();
```

```
    jPanel4 = new javax.swing.JPanel();
```

```
    jLabel2 = new javax.swing.JLabel();
```

```
    txt_search = new javax.swing.JTextField();
```

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

```
    setResizable(false);
```

```
    jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Login_Record",  
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,  
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N
```

```

tbl_3.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
jScrollPane3.setViewportViewView(tbl_3);

jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/erase-
128.png"))); // NOI18N
jButton1.setText("Reset");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(15, 15, 15)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, 150, true)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE, 150, true)
                    .addGap(10, 10, 10)
                    .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE, 100, true)
                )
            )
        )
    )
    .addContainerGap(15, Short.MAX_VALUE)
)

```

```

        .addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT_SIZE, 557,
Short.MAX_VALUE)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup())

        .addGap(0, 0, Short.MAX_VALUE)

        .addComponent(jButton1)))

    .addContainerGap())
);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup())

.addContainerGap()

.addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT_SIZE, 327,
Short.MAX_VALUE)

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

.addComponent(jButton1)

.addGap(6, 6, 6))

);

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Adobe Arabic", 1, 14))); //
NOI18N

jLabel2.setText("ID:");

txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_searchKeyReleased(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

```

```

jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel2)
            .addGap(18, 18, 18)
            .addComponent(txt_search)
            .addContainerGap())
        );
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, 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(layout.createSequentialGroup()
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()

```

```

        .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addContainerGap())

    );

    layout.setVerticalGroup(

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

        .addGroup(layout.createSequentialGroup()

            .addGap(20, 20, 20)

            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(26, 26, 26)

            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

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

        );

    pack();

} // </editor-fold> // GEN-END: initComponents

```

```

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) { //GEN-
FIRST:event_txt_searchKeyReleased

```

```

// TODO add your handling code here:

```

```

try{

```

```

    String sql ="select * from Audit where emp_id=? ";

```

```

    pst=conn.prepareStatement(sql);

```

```

    pst.setString(1,txt_search.getText());

```

```

    rs=pst.executeQuery();

```

```

    tbl_3.setModel(DbUtils.resultSetToTableModel(rs));

```

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

    try{

        rs.close();
        pst.close();

    }
    catch(Exception e){

    }
}
```

```
}//GEN-LAST:event_txt_searchKeyReleased
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_jButton1ActionPerformed
```

```
// TODO add your handling code here:
```

```
Update_table3();
```

```
txt_search.setText("");
```

```
}//GEN-LAST:event_jButton1ActionPerformed
```



```

/**
 * @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(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>
    //</editor-fold>
    //</editor-fold>

```

```
//</editor-fold>
```

```
/* Create and display the form */
```

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

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JButton jButton1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JPanel jPanel3;  
private javax.swing.JPanel jPanel4;  
private javax.swing.JScrollPane jScrollPane3;  
private javax.swing.JTable tbl_3;  
private javax.swing.JTextField txt_search;  
// End of variables declaration//GEN-END:variables  
}
```

DB JAVA:

```
package student.information.system;  
import java.sql.*;  
import javax.swing.*;  
public class db {
```

```
    Connection conn=null;
```

```
    public static Connection java_db(){
```

```
        try{
```

```

        Class.forName("org.sqlite.JDBC");

        Connection conn = DriverManager.getConnection("jdbc:sqlite:studentInfo.sqlite");

        //JOptionPane.showMessageDialog(null, "Connection to database is successful");

        return conn;

    }catch (Exception e){

        JOptionPane.showMessageDialog(null, e);

        return null;

    }

}
}

```

LOGIN JAVA:

```

package student.information.system;

import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.GregorianCalendar;
import javax.swing.JOptionPane;
import com.sun.glass.events.KeyEvent;
import java.awt.*;
import java.io.File;
import java.io.FileNotFoundException;
import java.io.FileWriter;
import java.io.IOException;
import java.io.Writer;
import java.sql.Connection;
import java.sql.PreparedStatement;

```

```
import java.sql.ResultSet;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import javax.swing.*.*;
import java.util.Calendar;
import java.util.Date;
import java.util.GregorianCalendar;
import java.util.LinkedList;
import java.util.Scanner;
import java.util.logging.Level;
import java.util.logging.Logger;

public class Login extends javax.swing.JFrame {
    public static Writer newWriter,SortWriter;
```

```
        Connection conn=null;
        ResultSet rs=null;
        PreparedStatement pst=null;
```

```
    public Login() {
        initComponents();
        conn=db.java_db();
        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();
        setLocation(size.width/2 - getWidth()/2,
            size.height/2 - getHeight()/2);
        currentDate();
    }

    public void currentDate (){
```

```
        Calendar cal =new GregorianCalendar();
        int month = cal.get(Calendar.MONTH);
```

```

int year = cal.get(Calendar.YEAR);

int day = cal.get(Calendar.DAY_OF_MONTH);


txt_date.setText((month+1)+"/"+day+"/"+year);
}

// <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initComponents
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    txt_username = new javax.swing.JTextField();
    txt_password = new javax.swing.JPasswordField();
    txt_combo = new javax.swing.JComboBox<>();
    jLabel4 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jMenuBar1 = new javax.swing.JMenuBar();
    txt_date = new javax.swing.JMenu();
    txt_time = new javax.swing.JMenu();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setResizable(false);

    jPanel1.setLayout(null);

    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(255, 255, 255));
    jLabel2.setText("Username :");
    jPanel1.add(jLabel2);

```

```

jLabel2.setBounds(20, 280, 90, 17);

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Password :");
jPanel1.add(jLabel3);
jLabel3.setBounds(20, 320, 80, 17);

jButton1.setText("Login");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
jPanel1.add(jButton1);
jButton1.setBounds(180, 390, 70, 30);

txt_username.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_usernameActionPerformed(evt);
    }
});
jPanel1.add(txt_username);
txt_username.setBounds(110, 270, 160, 30);
jPanel1.add(txt_password);
txt_password.setBounds(110, 310, 160, 30);

txt_combo.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Admin",
"Student" }));
txt_combo.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        txt_comboActionPerformed(evt);
    }
});
jPanel1.add(txt_combo);
txt_combo.setBounds(110, 350, 160, 30);

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Division :");
jPanel1.add(jLabel4);
jLabel4.setBounds(20, 360, 70, 17);

jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/Presentation1.j
pg"))); // NOI18N
jPanel1.add(jLabel1);
jLabel1.setBounds(0, 0, 660, 430);

txt_date.setText("Date");
jMenuBar1.add(txt_date);

txt_time.setText("Time");
jMenuBar1.add(txt_time);

setJMenuBar(jMenuBar1);

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, 661, Short.MAX_VALUE)
);

```

```

layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 433, Short.MAX_VALUE)
);

pack();
} // </editor-fold> // GEN-END: initComponents

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jButton1ActionPerformed

    String access;

    access = this.txt_combo.getSelectedItem().toString();

    String p=String.valueOf(this.txt_password.getPassword());

    if(access.equals("Admin") && this.txt_username.getText().equals("admin") &&
p.equals("admin")) {

        JOptionPane.showMessageDialog(null,"Sucess" );

        MainMenu j = new MainMenu();

        j.setVisible(true);

        this.dispose();

        Date currentDate = GregorianCalendar.getInstance().getTime();

        DateFormat df = DateFormat.getDateInstance();

        String dateString = df.format(currentDate);

        Date d = new Date();

        SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");

```



```
String timeString = sdf.format(d);
```

```
String value0 = timeString;
```

```
String values = dateString;
```

```
this.dispose();
```

```
}
```

```
else if(access.equals("Student")){
```

```
this.jLabel2.setText("Firstname");
```

```
this.jLabel3.setText("12h Roll No");
```

```
File f=new File("output.txt");
```

```
Scanner sc = null;
```

```
try {
```

```
    sc = new Scanner(f);
```

```
} catch (FileNotFoundException ex) {
```

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

```
}
```

```
while(sc.hasNextLine()){
```

```
    String data = sc.nextLine();
```

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

```
String variable[] = data.split("\\s+");
```

```
String user=variable[0];
```

```
String perc=variable[3];
```

```

        if(perc.equals(String.valueOf(this.txt_password.getPassword())) &&
user.equals(String.valueOf(this.txt_username.getText()))){

            new StudentInformation(perc).setVisible(true);

            this.setVisible(false);

        }

    }

}

//GEN-LAST:event_jButton1ActionPerformed

}

private void txt_usernameActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_txt_usernameActionPerformed

    // TODO add your handling code here:

}

//GEN-LAST:event_txt_usernameActionPerformed


private void txt_comboActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_txt_comboActionPerformed

    // TODO add your handling code here:

String id1=this.txt_combo.getSelectedItem().toString();

if(id1.equals("Student")){

    this.jLabel2.setText("Firstname");

    this.jLabel3.setText("12h Roll No");

}

}

//GEN-LAST:event_txt_comboActionPerformed


/**
 * @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(Login.class.getName()).log(java.util.logging.Level.SEVERE,
        null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE,
        null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE,
        null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(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 Login().setVisible(true);
    }
});

```

```
}
```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
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.JMenuBar jMenuBar1;
```

```
private javax.swing.JPanel jPanel1;
```

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

```
private javax.swing.JMenu txt_date;
```

```
private javax.swing.JPasswordField txt_password;
```

```
private javax.swing.JMenu txt_time;
```

```
private javax.swing.JTextField txt_username;
```

```
// End of variables declaration//GEN-END:variables
```

```
}
```

MAIN MENU:

```
package student.information.system;
```

```
import java.awt.Dimension;
```

```
import java.awt.Toolkit;
```

```
import java.sql.Connection;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
```

```
import java.text.DateFormat;
```

```
import java.text.SimpleDateFormat;
```

```
import java.util.Date;
```

```
import java.util.GregorianCalendar;
```

```
import javax.swing.JOptionPane;
```

```

public class MainMenu extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    public MainMenu() {

        conn=db.java_db();

        initComponents();

        Toolkit toolkit = getToolkit();

        Dimension size = toolkit.getScreenSize();

        setLocation(size.width/2 - getWidth()/2,

            size.height/2 - getHeight()/2);

    }

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

        jPanel1 = new javax.swing.JPanel();
        jButton1 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jMenuBar1 = new javax.swing.JMenuBar();
        jMenu1 = new javax.swing.JMenu();
        jMenuItem1 = new javax.swing.JMenuItem();
        jMenuItem2 = new javax.swing.JMenuItem();

        setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
        setResizable(false);

        jPanel1.setLayout(null);

```

```
jButton1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/Add.png"))); // NOI18N
```

```
jButton1.setText("Student Manager");  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});  
jPanel1.add(jButton1);  
jButton1.setBounds(570, 430, 190, 60);
```

```
jButton5.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/logout.png")));  
// NOI18N
```

```
jButton5.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton5ActionPerformed(evt);  
    }  
});  
jPanel1.add(jButton5);  
jButton5.setBounds(750, 10, 40, 30);
```

```
jLabel1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/pnbennet.png"  
))); // NOI18N
```

```
jPanel1.add(jLabel1);  
jLabel1.setBounds(0, 0, 800, 530);
```

```
jMenu1.setText("File");
```

```
jMenuItem1.setText("Audit");
```

```
jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem1ActionPerformed(evt);
        }
    });
    jMenu1.add(jMenuItem1);

    jMenuItem2.setText("Users");
    jMenuItem2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem2ActionPerformed(evt);
        }
    });
    jMenu1.add(jMenuItem2);

    jMenuBar1.add(jMenu1);

    setJMenuBar(jMenuBar1);

    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, 799, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 529, Short.MAX_VALUE)
    );

    pack();
} // </editor-fold> // GEN-END: initComponents

```

```

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_jButton5ActionPerformed

    // TODO add your handling code here:

        Login j = new Login();

        j.setVisible(true);

        this.dispose();


    try{

        Date currentDate = GregorianCalendar.getInstance().getTime();

        DateFormat df = DateFormat.getDateInstance();

        String dateString = df.format(currentDate);


        Date d = new Date();

        SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");

        String timeString = sdf.format(d);


        String value0 = timeString;

        String values = dateString;


        int value = Emp.empId;

        String reg = "insert into Audit (emp_id,date,status) values ('"+value+"','"+value0+" /
"+values+"','Logged out)";

        pst=conn.prepareStatement(reg);

        pst.execute();

        this.dispose();

    }catch (Exception e){

        JOptionPane.showMessageDialog(null, e);

```



```
}  
finally {  
  
    try{  
        rs.close();  
        pst.close();  
  
    }  
    catch(Exception e){  
  
    }  
}
```

```
//GEN-LAST:event_jButton5ActionPerformed
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-  
FIRST:event_jButton1ActionPerformed
```

```
// TODO add your handling code here:
```

```
StudentInformation j= new StudentInformation();  
j.setVisible(true);
```

```
//GEN-LAST:event_jButton1ActionPerformed
```

```
private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-  
FIRST:event_jMenuItem1ActionPerformed
```

```
// TODO add your handling code here:
```

```
Audit_details j = new Audit_details();  
j.setVisible(true);
```

```
//GEN-LAST:event_jMenuItem1ActionPerformed
```

```

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_jMenuItem2ActionPerformed

    // TODO add your handling code here:

    users j = new users();

    j.setVisible(true);

}GEN-LAST:event_jMenuItem2ActionPerformed


public static void main(String args[]) {

    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(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

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

    } catch (IllegalAccessException ex) {

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

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

    }

}

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

    public void run() {

```

```

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

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JPanel jPanel1;
// End of variables declaration//GEN-END:variables
}

```

STUDENT INFO:

```

package student.information.system;

import net.proteanit.sql.DbUtils;
import java.awt.*;
import java.awt.image.BufferedImage;
import java.io.BufferedWriter;
import java.io.ByteArrayOutputStream;
import java.io.File;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.FileWriter;
import java.io.IOException;
import java.sql.Connection;

```

```
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import java.util.GregorianCalendar;
import java.util.LinkedList;
import java.util.Scanner;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.imageio.ImageIO;
import javax.swing.*.*;
```

```
public class StudentInformation extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
```

```
    public StudentInformation() {
        initComponents();
        conn=db.java_db();
        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();
        setLocation(size.width/2 - getWidth()/2,
            size.height/2 - getHeight()/2);
        currentDate();
        txt_emp.setText(String.valueOf(Emp.empId).toString());
    }
```

```
    public StudentInformation(String StudsId) {
```

```

initComponents();

Toolkit toolkit = getToolkit();

Dimension size = toolkit.getScreenSize();

setLocation(size.width/2 - getWidth()/2,
size.height/2 - getHeight()/2);

currentDate();

txt_search1.setText(StudsId);

cmd_save.setVisible(false);

jButton3.setVisible(false);

cmd_save.setEnabled(false);

jButton3.setEnabled(false);
}

public void currentDate (){

    Calendar cal =new GregorianCalendar();

    int month = cal.get(Calendar.MONTH);

    int year = cal.get(Calendar.YEAR);

    int day = cal.get(Calendar.DAY_OF_MONTH);

    lbl_date.setText((month+1)+"/"+day+"/"+year);

    //Time

    int second = cal.get(Calendar.SECOND);

    int minute = cal.get(Calendar.MINUTE);

    int hour = cal.get(Calendar.HOUR);

    lbl_time.setText(hour+": "+(minute)+": "+second);

```

```
}
```

```
/**
```

```
 * 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"> //GEN-BEGIN: initComponents
```

```
private void initComponents() {
```

```
    jMenuBar2 = new javax.swing.JMenuBar();
```

```
    jMenu1 = new javax.swing.JMenu();
```

```
    jMenu2 = new javax.swing.JMenu();
```

```
    jDialog1 = new javax.swing.JDialog();
```

```
    jPanel3 = new javax.swing.JPanel();
```

```
    jLabel7 = new javax.swing.JLabel();
```

```
    txt_tel = new javax.swing.JTextField();
```

```
    txt_email = new javax.swing.JTextField();
```

```
    jLabel6 = new javax.swing.JLabel();
```

```
    jLabel11 = new javax.swing.JLabel();
```

```
    r_male = new javax.swing.JRadioButton();
```

```
    r_female = new javax.swing.JRadioButton();
```

```
    txt_dob = new javax.swing.JTextField();
```

```
    jLabel3 = new javax.swing.JLabel();
```

```
    txt_surname = new javax.swing.JTextField();
```

```
    jLabel2 = new javax.swing.JLabel();
```

```
    jLabel1 = new javax.swing.JLabel();
```

```
    txt_firstname = new javax.swing.JTextField();
```

```
jDesktopPane1 = new javax.swing.JDesktopPane();
```

```
lbl_img = new javax.swing.JLabel();
```

```
jLabel8 = new javax.swing.JLabel();
```

```
jLabel14 = new javax.swing.JLabel();
```

```
jLabel15 = new javax.swing.JLabel();
```

```
jLabel16 = new javax.swing.JLabel();
```

```
txt_pc = new javax.swing.JTextField();
```

```
txt_aprt = new javax.swing.JTextField();
```

```
txt_add2 = new javax.swing.JTextField();
```

```
txt_address = new javax.swing.JTextField();
```

```
cmd_save = new javax.swing.JButton();
```

```
jButton1 = new javax.swing.JButton();
```

```
jButton3 = new javax.swing.JButton();
```

```
jLabel5 = new javax.swing.JLabel();
```

```
txt_studentid = new javax.swing.JTextField();
```

```
button2 = new java.awt.Button();
```

```
txt_emp = new javax.swing.JLabel();
```

```
jLabel10 = new javax.swing.JLabel();
```

```
jPanel5 = new javax.swing.JPanel();
```

```
jLabel13 = new javax.swing.JLabel();
```

```
txt_search1 = new javax.swing.JTextField();
```

```
jMenuBar1 = new javax.swing.JMenuBar();
```

```
File = new javax.swing.JMenu();
```

```
jMenuItem1 = new javax.swing.JMenuItem();
```

```
lbl_date = new javax.swing.JMenu();
```

```
lbl_time = new javax.swing.JMenu();
```

```
jMenu1.setText("File");
```

```
jMenuBar2.add(jMenu1);
```

```
jMenu2.setText("Edit");
```

```
jMenuBar2.add(jMenu2);
```

```
javax.swing.GroupLayout jDialog1Layout = new  
javax.swing.GroupLayout(jDialog1.getContentPane());  
  
jDialog1.getContentPane().setLayout(jDialog1Layout);  
  
jDialog1Layout.setHorizontalGroup(  
    jDialog1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGap(0, 400, Short.MAX_VALUE)  
);  
  
jDialog1Layout.setVerticalGroup(  
    jDialog1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGap(0, 300, Short.MAX_VALUE)  
);
```

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

```
setResizable(false);
```

```
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Student Information",  
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,  
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Adobe Arabic", 1, 36))); // NOI18N
```

```
jLabel7.setText("Contact Number :");
```

```
jLabel6.setText("Email :");
```

```
jLabel11.setText("Gender:");
```

```
r_male.setText("Male");
```

```
r_male.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        r_maleActionPerformed(evt);
```



```

    }
});

r_female.setText("Female");
r_female.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        r_femaleActionPerformed(evt);
    }
});

jLabel3.setText("Date of Birth :");

jLabel2.setText("Surname :");

jLabel1.setText("First name :");

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

jDesktopPane1.setLayer(lbl_img, javax.swing.JLayeredPane.DEFAULT_LAYER);

javax.swing.GroupLayout jDesktopPane1Layout = new javax.swing.GroupLayout(jDesktopPane1);
jDesktopPane1.setLayout(jDesktopPane1Layout);
jDesktopPane1Layout.setHorizontalGroup(
    jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jDesktopPane1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(lbl_img, javax.swing.GroupLayout.DEFAULT_SIZE, 231, Short.MAX_VALUE)

```

```

        .addContainerGap()
    );
    jDesktopPane1Layout.setVerticalGroup(
        jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jDesktopPane1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(lbl_img, javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE)
            .addContainerGap())
    );

    jLabel8.setText("Address Line 1 :");

    jLabel14.setText("Address Line 2 :");

    jLabel15.setText("12th Percentage");

    jLabel16.setText("Post Code :");

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

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

```

```
cmd_save.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/Save-  
icon.png"))); // NOI18N
```

```
cmd_save.setText("Add Record");  
  
cmd_save.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_saveActionPerformed(evt);  
    }  
});
```

```
jButton1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/erase-  
128.png"))); // NOI18N
```

```
jButton1.setText("Clear");  
  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});
```

```
jButton3.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/delete_16x16.g  
if"))); // NOI18N
```

```
jButton3.setText("Delete");  
  
jButton3.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton3ActionPerformed(evt);  
    }  
});
```

```
jLabel5.setText("Student ID :");
```

```
button2.setLabel("Select Your Choices");
```

```

button2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        button2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel6)
                .addComponent(jLabel7)
                .addComponent(jLabel11))
            .addGap(41, 41, 41)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(r_male)
                    .addGap(4, 4, 4)
                    .addComponent(r_female))
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(txt_tel, javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(txt_email, javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE))))
            .addGap(10, 10, 10)
        )
);

```

```

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel1)

        .addComponent(jLabel2)

        .addComponent(jLabel3)

        .addComponent(jLabel5))

        .addGap(58, 58, 58)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

        .addComponent(txt_surname, javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_firstname)

        .addComponent(txt_dob)

        .addComponent(txt_studentid, javax.swing.GroupLayout.DEFAULT_SIZE, 168,
Short.MAX_VALUE)))

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

        .addGroup(jPanel3Layout.createSequentialGroup()

        .addGap(141, 141, 141)

        .addComponent(button2, javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel3Layout.createSequentialGroup()

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel14)

        .addComponent(jLabel15)

        .addComponent(jLabel16)

        .addComponent(jLabel8))

        .addGap(48, 48, 48)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_pc, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 168, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
TRAILING)

        .addComponent(txt_apt, javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.TRAILING, false)

        .addComponent(txt_add2, javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_address, javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)

    .addGroup(jPanel3Layout.createSequentialGroup())

        .addGap(57, 57, 57)

        .addComponent(jDesktopPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGroup(jPanel3Layout.createSequentialGroup())

        .addGap(243, 243, 243)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)

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

        .addComponent(cmd_save, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 134, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jButton1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 134, javax.swing.GroupLayout.PREFERRED_SIZE))))

        .addContainerGap(112, Short.MAX_VALUE))

    );

    jPanel3Layout.setVerticalGroup(

        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()

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

        .addComponent(jDesktopPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

```

```

        .addComponent(cmd_save, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(32, 32, 32)

        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(37, 37, 37)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(93, 93, 93))

    .addGroup(jPanel3Layout.createSequentialGroup())

    .addGap(18, 18, 18)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING

```

G)

```

        .addComponent(jLabel5)

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

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

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE

```

E)

```

        .addComponent(jLabel1)

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

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

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)

```

```

        .addComponent(jLabel2)

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

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

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)

```

```

        .addComponent(jLabel3)

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

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

```

```

        .addGroup(jPanel3Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
E)
            .addComponent(jLabel11)
            .addComponent(r_male)
            .addComponent(r_female))
        .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel3Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_email, GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel6))
        .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel3Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_tel, GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel7))
        .addPreferredGap(LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel3Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_address, GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel8))
        .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel3Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_add2, GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel14))
        .addPreferredGap(LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel3Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_apt, GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel15))

```



```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
        .addComponent(jLabel16)
        .addComponent(txt_pc, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(39, 39, 39)
        .addComponent(button2, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    txt_emp.setText("emp");

    jLabel10.setText("Logged in As :");

    jPanel5.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Adobe Arabic", 1, 14))); //
NOI18N

    jLabel13.setText("Student ID :");

    txt_search1.addContainerListener(new java.awt.event.ContainerAdapter() {
        public void componentRemoved(java.awt.event.ContainerEvent evt) {
            txt_search1ComponentRemoved(evt);
        }
    });

    txt_search1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txt_search1ActionPerformed(evt);
        }
    });

```

```

txt_search1.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_search1KeyReleased(evt);
    }
});

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(15, 15, 15)
            .addComponent(jLabel13)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(txt_search1, javax.swing.GroupLayout.PREFERRED_SIZE, 150,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(15, 15, 15))
        );
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(15, 15, 15)
            .addComponent(txt_search1, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jLabel13)
            .addGap(15, 15, 15))
        );

File.setText("File");

```

```
jMenuItem1.setText("Attach Image");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

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

        jMenuItem1ActionPerformed(evt);

    }

});

File.add(jMenuItem1);


jMenuBar1.add(File);


lbl_date.setText("Date");

jMenuBar1.add(lbl_date);


lbl_time.setText("Time");

jMenuBar1.add(lbl_time);


setJMenuBar(jMenuBar1);


javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(415, 415, 415)
                .addComponent(jLabel10)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```

        .addComponent(txt_emp))

        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

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

    );

    layout.setVerticalGroup(

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

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

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

            .addGroup(layout.createSequentialGroup())

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

                .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGroup(layout.createSequentialGroup())

                .addGap(6, 6, 6)

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

                    .addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                    .addComponent(txt_emp))))

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

        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addContainerGap())

    );

    pack();

} // </editor-fold> // GEN-END: initComponents

```

```

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jMenuItem1ActionPerformed

```

```

    // TODO add your handling code here:

```

```

JFileChooser chooser = new JFileChooser();

```

```
chooser.showOpenDialog(null);

File f = chooser.getSelectedFile();


filename =f.getAbsolutePath();

ImageIcon imagelcon = new ImageIcon(new
ImageIcon(filename).getImage().getScaledInstance(lbl_img.getWidth(), lbl_img.getHeight(),
Image.SCALE_DEFAULT));

lbl_img.setIcon(imagelcon);

try {

    File image = new File(filename);

    FileInputStream fis = new FileInputStream (image);

    ByteArrayOutputStream bos= new ByteArrayOutputStream();

    byte[] buf = new byte[1024];

    for(int readNum; (readNum=fis.read(buf))!=-1; ){

        bos.write(buf,0,readNum);

    }

    person_image=bos.toByteArray();

}

catch(Exception e){

    JOptionPane.showMessageDialog(null,e);

}

}

//GEN-LAST:event_jMenuItemActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton1ActionPerformed

    // TODO add your handling code here:
```

```
txt_firstname.setText("");
```

```
txt_surname.setText("");
```

```
txt_tel.setText("");
```

```
txt_dob.setText("");
```

```
txt_email.setText("");
```

```
txt_address.setText("");
```

```
txt_studentid.setText("");
```

```
txt_add2.setText("");
```

```
txt_pc.setText("");
```

```
txt_appt.setText("");
```

```
lbl_img.setIcon(null);
```

```
txt_search1.setText("");
```

```
}//GEN-LAST:event_jButton1ActionPerformed
```

```
private void cmd_saveActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_cmd_saveActionPerformed
```

```
    // TODO add your handling code here:
```

```
    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to add record?", "Add Record", JOptionPane.YES_NO_OPTION);
```

```
    if(p==0){
```

```
        String value110 = txt_firstname.getText();
```

```
        String value2 = txt_surname.getText();
```

```
        String value3 = txt_dob.getText();
```

```
        String value4 = txt_studentid.getText();
```

```
        String value5 = txt_email.getText();
```

```
        String value6 = txt_tel.getText();
```

```

String value7 = txt_address.getText();
String value9 = txt_add2.getText();
String value10 = txt_apr.getText();
String value11 = txt_pc.getText();
try {
    StudentData stud= new
StudentData(value110,value2,value3,value4,value5,value6,value7,value9,value10,value11);
    } catch (IOException ex) {
        Logger.getLogger(StudentInformation.class.getName()).log(Level.SEVERE, null, ex);
    } catch (InterruptedException ex) {
        Logger.getLogger(StudentInformation.class.getName()).log(Level.SEVERE, null, ex);
    }
}

```

```

JOptionPane.showMessageDialog(null,"Data is saved successfully");

```

```

Date currentDate = GregorianCalendar.getInstance().getTime();
DateFormat df = DateFormat.getDateInstance();
String dateString = df.format(currentDate);

Date d = new Date();
SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
String timeString = sdf.format(d);

String value0 = timeString;

```

```
String value1 = dateString;  
String val = txt_emp.getText().toString();
```

```
}
```

```
}//GEN-LAST:event_cmd_saveActionPerformed
```

```
private void txt_apptActionPerformed(java.awt.event.ActionEvent evt) { //GEN-  
FIRST:event_txt_apptActionPerformed
```

```
    // TODO add your handling code here:
```

```
}//GEN-LAST:event_txt_apptActionPerformed
```

```
private void txt_firstnameActionPerformed(java.awt.event.ActionEvent evt) { //GEN-  
FIRST:event_txt_firstnameActionPerformed
```

```
    // TODO add your handling code here:
```

```
}//GEN-LAST:event_txt_firstnameActionPerformed
```

```
private void r_femaleActionPerformed(java.awt.event.ActionEvent evt) { //GEN-  
FIRST:event_r_femaleActionPerformed
```

```
    // TODO add your handling code here:
```

```
    gender = "Female";
```

```
    r_female.setSelected(true);
```

```
    r_male.setSelected(false);
```

```
}//GEN-LAST:event_r_femaleActionPerformed
```



```
private void r_maleActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_r_maleActionPerformed
```

```
    // TODO add your handling code here:
```

```
    gender = "Male";
```

```
    r_male.setSelected(true);
```

```
    r_female.setSelected(false);
```

```
    } //GEN-LAST:event_r_maleActionPerformed
```

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton3ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to delete record?", "Delete", JOptionPane.YES_NO_OPTION);
```

```
    if(p==0){
```

```
        Date currentDate = GregorianCalendar.getInstance().getTime();
```

```
        DateFormat df = DateFormat.getDateInstance();
```

```
        String dateString = df.format(currentDate);
```

```
        Date d = new Date();
```

```
        SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
```

```
        String timeString = sdf.format(d);
```

```
        String value0 = timeString;
```

```
        String value1 = dateString;
```

```
        String val = txt_emp.getText().toString();
```

```
        try{
```

```
String notobedel= String.valueOf(txt_studentid.getText());
```

```
File f1 = new File("output.txt");
```

```
BufferedWriter writer;
```

```

        writer = new BufferedWriter(new FileWriter(f1));
Scanner sc =new Scanner (f1);
while(sc.hasNextLine()){String data = sc.nextLine();
String variable[] = data.split("\\s+");
String da=data.trim();
String studid=variable[3];
if(studid.equals(notobedel)){
continue;
}
writer.write(data+System.lineSeparator());
writer.close();
sc.close();
}

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

    }catch(Exception e){

        JOptionPane.showMessageDialog(null, e);
    }finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }
    }
}
}
}

```

```
}//GEN-LAST:event_jButton3ActionPerformed
```

```
private void txt_search1ComponentRemoved(java.awt.event.ContainerEvent evt) { //GEN-FIRST:event_txt_search1ComponentRemoved
```

```
    // TODO add your handling code here:
```

```
}//GEN-LAST:event_txt_search1ComponentRemoved
```

```
private void txt_search1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_search1ActionPerformed
```

```
    File f = new File("output.txt");
```

```
    Scanner sc = null;
```

```
    try {
```

```
        sc = new Scanner(f);
```

```
    } catch (FileNotFoundException ex) {
```

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

```
    }
```

```
    while(sc.hasNextLine()){
```

```
        String data = sc.nextLine();
```

```
        String variable[] = data.split("\\s+");
```

```
        String p=variable[3];
```

```
        if(p.equals(String.valueOf(this.txt_search1.getText()))){ //linear Search
```

```
            this.txt_studentid.setText(variable[3]);
```

```
            this.txt_firstname.setText(variable[0]);
```

```
            this.txt_surname.setText(variable[1]);
```

```
            // this.jcmbDepartment.setText(variable[4]);
```

```
            this.txt_dob.setText(variable[2]);
```

```
this.txt_email.setText(variable[4]);  
  
this.txt_tel.setText(variable[5]);  
  
this.txt_address.setText(variable[6]);  
  
this.txt_add2.setText(variable[7]);  
  
this.txt_apt.setText(variable[8]);  
  
this.txt_pc.setText(variable[9]);  
  
}  
  
}  
  
} //GEN-LAST:event_txt_search1ActionPerformed  
  
private void txt_search1KeyReleased(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_txt_search1KeyReleased  
  
    // TODO add your handling code here:  
  
    try{  
  
        String sql ="select * from Student_Information where id=? ";  
  
        pst=conn.prepareStatement(sql);  
        pst.setString(1,txt_search1.getText());  
        rs=pst.executeQuery();  
  
        String add1 =rs.getString("id");  
        txt_studentid.setText(add1);  
  
        String add2 =rs.getString("first_name");  
        txt_firstname.setText(add2);  
  
        String add3 =rs.getString("surname");
```

```
txt_surname.setText(add3);
```

```
String add4 =rs.getString("Dob");
```

```
txt_dob.setText(add4);
```

```
String add5 =rs.getString("Email");
```

```
txt_email.setText(add5);
```

```
String add6 =rs.getString("Telephone");
```

```
txt_tel.setText(add6);
```

```
String add7 =rs.getString("Address");
```

```
txt_address.setText(add7);
```

```
String add8 =rs.getString("Address2");
```

```
txt_add2.setText(add8);
```

```
String add9 =rs.getString("Apartment");
```

```
txt_apartment.setText(add9);
```

```
String add10 =rs.getString("Post_code");
```

```
txt_pc.setText(add10);
```

```
byte[] img = rs.getBytes("Image");
```

```
ImageIcon imageIcon = new ImageIcon(new  
Image(img).getImage().getScaledInstance(lbl_img.getWidth(), lbl_img.getHeight(),  
Image.SCALE_SMOOTH));
```

```
lbl_img.setIcon(imageIcon);
```

```
}catch(Exception e){

}

finally {

    try{

        rs.close();

        pst.close();

    }

    catch(Exception e){

    }

}

}

}

//GEN-LAST:event_txt_search1KeyReleased


private void button2ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_button2ActionPerformed

    new Choice(String.valueOf(this.txt_studentid.getText())).setVisible(true);    // TODO add your handling code here:

}

//GEN-LAST:event_button2ActionPerformed


private void txt_addressActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_addressActionPerformed

    // TODO add your handling code here:

}

//GEN-LAST:event_txt_addressActionPerformed


public static void main(String args[]) {

    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(StudentInformation.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);

    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(StudentInformation.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(StudentInformation.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(StudentInformation.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);

    }

```

//</editor-fold>

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```
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```

```
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```

```
//</editor-fold>
```

```
/* Create and display the form */
```

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

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JMenu File;  
private java.awt.Button button2;  
private javax.swing.JButton cmd_save;  
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton3;  
private javax.swing.JDesktopPane jDesktopPane1;  
private javax.swing.JDialog jDialog1;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel10;  
private javax.swing.JLabel jLabel11;  
private javax.swing.JLabel jLabel13;  
private javax.swing.JLabel jLabel14;  
private javax.swing.JLabel jLabel15;  
private javax.swing.JLabel jLabel16;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JLabel jLabel5;  
private javax.swing.JLabel jLabel6;
```



```
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenu jMenu2;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuBar jMenuBar2;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel5;
private javax.swing.JMenu lbl_date;
private javax.swing.JLabel lbl_img;
private javax.swing.JMenu lbl_time;
private javax.swing.JRadioButton r_female;
private javax.swing.JRadioButton r_male;
private javax.swing.JTextField txt_add2;
private javax.swing.JTextField txt_address;
private javax.swing.JTextField txt_apr;
private javax.swing.JTextField txt_dob;
private javax.swing.JTextField txt_email;
private javax.swing.JLabel txt_emp;
private javax.swing.JTextField txt_firstname;
private javax.swing.JTextField txt_pc;
private javax.swing.JTextField txt_search1;
private javax.swing.JTextField txt_studentid;
private javax.swing.JTextField txt_surname;
private javax.swing.JTextField txt_tel;
// End of variables declaration//GEN-END:variables
```

```
private ImageIcon format =null;
```

```
//strin filename
```

```
String filename = null;
```

```
byte[] person_image = null;
```

```
private String gender;
```

```
}
```

```
package student.information.system;
```

```
import java.awt.*;
```

```
import java.sql.Connection;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
```

```
import javax.swing.*;
```

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

```
    Connection conn=null;
```

```
    ResultSet rs=null;
```

```
    PreparedStatement pst=null;
```

```
    public users() {
```

```
        initComponents();
```

```
        conn=db.java_db();
```

```
        Toolkit toolkit = getToolkit();
```

```
        Dimension size = toolkit.getScreenSize();
```

```
        setLocation(size.width/2 - getWidth()/2,
```

```
        size.height/2 - getHeight()/2);
```

```
        Fillcombobox();
```

```
    }
```

```
    private void Fillcombobox(){
```

```
        try {
```

```
String sql ="select * from Users";

pst=conn.prepareStatement(sql);

rs=pst.executeQuery();


while(rs.next()) {

    String name =rs.getString("username");

    txt_combo.addItem(name);

}

}catch (Exception e){

    JOptionPane.showMessageDialog(null, e);

} finally {

    try{

        rs.close();

        pst.close();

    }catch (Exception e){

    }

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

    jPanel2 = new javax.swing.JPanel();

    cmd_add = new javax.swing.JButton();

    jPanel1 = new javax.swing.JPanel();
```

```

jLabel1 = new javax.swing.JLabel();
txt_password = new javax.swing.JTextField();
txt_combo = new javax.swing.JComboBox();
jLabel3 = new javax.swing.JLabel();
txt_username = new javax.swing.JTextField();
jLabel2 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
txt_id = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
txt_dep = new javax.swing.JTextField();
cmd_delete = new javax.swing.JButton();
cmd_update = new javax.swing.JButton();
jButton1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

cmd_add.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/Save-
icon.png"))); // NOI18N

cmd_add.setText("Add ");
cmd_add.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_addActionPerformed(evt);
    }
});

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Login_Information",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Adobe Arabic", 1, 18))); //
NOI18N

jLabel1.setText("Select Users");

```

```
txt_combo.addPopupMenuListener(new javax.swing.event.PopupMenuListener() {
    public void popupMenuCanceled(javax.swing.event.PopupMenuEvent evt) {
    }
    public void popupMenuWillBecomeInvisible(javax.swing.event.PopupMenuEvent evt) {
        txt_comboPopupMenuWillBecomeInvisible(evt);
    }
    public void popupMenuWillBecomeVisible(javax.swing.event.PopupMenuEvent evt) {
    }
});

jLabel3.setText("Password");

jLabel2.setText("Username");

jLabel4.setText("Id");

txt_id.setEditable(false);

jLabel5.setText("Division");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jLabel1)
                .add(jLabel2)
                .add(jLabel3)
                .add(jLabel4)
                .add(jLabel5)
                .add(txt_id)
                .add(txt_combo)
            )
            .addContainerGap())
        .addGroup(jPanel1Layout.createSequentialGroup()
            .add(jLabel6)
            .addContainerGap())
);

```

```

        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.TRAILING)
            .addComponent(jLabel2, GroupLayout.Alignment.LEADING)
            .addComponent(jLabel3, GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(29, 29, 29)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel5)
                    .addGap(20, 20, 20))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.LEADING)
                        .addComponent(jLabel4)
                        .addComponent(jLabel1))
                    .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED)
                    .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.TRAILING)
                        .addComponent(txt_dep)
                        .addComponent(txt_password, GroupLayout.Alignment.LEADING)
                        .addComponent(txt_username, GroupLayout.Alignment.LEADING)
                        .addComponent(txt_combo, GroupLayout.Alignment.LEADING, 0, 160, Short.MAX_VALUE)
                        .addComponent(txt_id, GroupLayout.Alignment.LEADING)
                        .addGap(42, Short.MAX_VALUE))
                    .addContainerGap());
                jPanel1Layout.createParallelGroup(GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(25, Short.MAX_VALUE)
                        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
                            .addComponent(txt_combo, GroupLayout.PREFERRED_SIZE, GroupLayout.DEFAULT_SIZE, GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel1))
                    .addContainerGap());
    
```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_id, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
            .addComponent(jLabel5)
            .addComponent(txt_dep, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_username, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
            .addComponent(txt_password, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))
        .addContainerGap()
    );

```

```

    cmd_delete.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/delete_16x16.gif")); // NOI18N
    cmd_delete.setText("Delete");
    cmd_delete.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmd_deleteActionPerformed(evt);

```

```

    }

});

    cmd_update.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/update
icon.png"))); // NOI18N

    cmd_update.setText("Update");

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

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

            cmd_updateActionPerformed(evt);

        }

    });

    jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/images/erase-
128.png"))); // NOI18N

    jButton1.setText("Clear");

    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()
                .addGap(18, 18, 18)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            )
    );

```



```

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

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

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

        .addComponent(cmd_update, 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))

        .addContainerGap(40, Short.MAX_VALUE))
);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup())

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

.addGroup(jPanel2Layout.createSequentialGroup())

.addGap(48, 48, 48)

.addComponent(cmd_add)

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

.addComponent(cmd_update)

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

.addComponent(cmd_delete)

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

.addComponent(jButton1))

.addGroup(jPanel2Layout.createSequentialGroup())

.addGap(28, 28, 28)

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

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, 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(layout.createSequentialGroup()
            .addGap(11, 11, 11)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(11, 11, 11)
        )
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(27, 27, 27)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(27, 27, 27)
        )
);

pack();
} // </editor-fold> // GEN-END: initComponents

```

```

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_cmd_deleteActionPerformed

```

```

// TODO add your handling code here:

```

```

int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to delete
record?", "Delete", JOptionPane.YES_NO_OPTION);

if(p==0){
    String sql ="delete from Users where username=? ";
    try{
        pst=conn.prepareStatement(sql);

```

```

        pst.setString(1, txt_username.getText());

        pst.execute();

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

    }catch(Exception e){

        JOptionPane.showMessageDialog(null, e);
    }finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }

    }

    }

    Fillcombobox();

} //GEN-LAST:event_cmd_deleteActionPerformed

private void txt_comboPopupMenuWillBecomeInvisible(javax.swing.event.PopupMenuEvent evt)
{ //GEN-FIRST:event_txt_comboPopupMenuWillBecomeInvisible

    String tmp =(String) txt_combo.getSelectedItem();

    String sql="select * from Users where username=?";

```

```
try{
    pst=conn.prepareStatement(sql);
    pst.setString(1, tmp);
    rs=pst.executeQuery();

    if(rs.next()){

        String add1 =rs.getString("username");
        txt_username.setText(add1);

        String add2 =rs.getString("password");
        txt_password.setText(add2);

        String add3 =rs.getString("id");
        txt_id.setText(add3);

        String add4 =rs.getString("division");
        txt_dep.setText(add4);

    }

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

finally {

    try{
        rs.close();
        pst.close();
```

```

    }

    catch(Exception e){

    }

    // TODO add your handling code here:


    //GEN-LAST:event_txt_comboPopupMenuWillBecomeInvisible


    private void cmd_updateActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_cmd_updateActionPerformed

        // TODO add your handling code here:

        int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to update record?", "Update Record", JOptionPane.YES_NO_OPTION);

        if(p==0){

            try{

                String value1 = txt_id.getText();

                String value2 = txt_username.getText();

                String value3 = txt_password.getText();

                String value4 = txt_dep.getText();


                String sql= "update Users set id='"+value1+"', username='"+value2+"', password='"+value3+"',division='"+value4+"' where id='"+value1+"' ";

                pst=conn.prepareStatement(sql);

                pst.execute();

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

            }catch(Exception e){

                JOptionPane.showMessageDialog(null, e);

```

```

    }

    finally {

        try{
            rs.close();
            pst.close();

        }

        catch(Exception e){

        }

    }

    }

    Fillcombobox();
}

//GEN-LAST:event_cmd_updateActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_jButton1ActionPerformed
    // TODO add your handling code here:

    txt_username.setText("");
    txt_password.setText("");
    txt_dep.setText("");
    txt_id.setText("");
}

//GEN-LAST:event_jButton1ActionPerformed

private void cmd_addActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_cmd_addActionPerformed

    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to add record?", "Add Record",JOptionPane.YES_NO_OPTION);

    if(p==0){    // TODO add your handling code here:

        try {

```

```
String sql ="insert into Users (username,password,division) values (?,?,?) ";

    pst=conn.prepareStatement(sql);

    pst.setString(1,txt_username.getText());

    pst.setString(2,txt_password.getText());

    pst.setString(3,txt_dep.getText());


    pst.execute();

    JOptionPane.showMessageDialog(null,"Data is saved successfully");

}

catch (Exception e)

{

    JOptionPane.showMessageDialog(null,e);

}

finally {

    try{

        rs.close();

        pst.close();

    }

    catch(Exception e){

    }

}

}

Fillcombobox();

} //GEN-LAST:event_cmd_addActionPerformed
```

```

/**
 * @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(users.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(users.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(users.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(users.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
    //</editor-fold>
    //</editor-fold>
}

```



```
//</editor-fold>
```

```
//</editor-fold>
```

```
/* Create and display the form */
```

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

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JButton cmd_add;  
private javax.swing.JButton cmd_delete;  
private javax.swing.JButton cmd_update;  
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.JPanel jPanel1;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JComboBox txt_combo;  
private javax.swing.JTextField txt_dep;  
private javax.swing.JTextField txt_id;  
private javax.swing.JTextField txt_password;
```

```
private javax.swing.JTextField txt_username;  
// End of variables declaration//GEN-END:variables  
}
```