**LOGIN PAGE**

**SOURCE CODE**

import java.security.MessageDigest;

import java.security.NoSuchAlgorithmException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.JOptionPane;

public class Login\_page extends javax.swing.JFrame {

private static final String JDBC\_URL = "use jdbc url here";

private static final String JDBC\_USER = "SMS"; // your database schema name

private static final String JDBC\_PASSWORD = "use your oracle password here";

/\*\*

\* Creates new form Basic\_Details

\*/

public Login\_page() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jPasswordField1 = new javax.swing.JPasswordField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

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

jLabel1.setText("Login Page");

jLabel1.setVerticalAlignment(javax.swing.SwingConstants.TOP);

jLabel1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

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

jLabel2.setText("USER NAME");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

jLabel3.setText("Password");

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

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

jButton1.setText("LOGIN");

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

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

jButton1ActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addContainerGap(248, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 160, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(240, 240, 240))

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(113, 113, 113)

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

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, 166, Short.MAX\_VALUE))

.addGap(27, 27, 27)

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

.addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 170, Short.MAX\_VALUE)

.addComponent(jPasswordField1)))

.addGroup(layout.createSequentialGroup()

.addGap(185, 185, 185)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 183, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(31, 31, 31)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 48, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(50, 50, 50)

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

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(32, 32, 32)

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

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 52, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(26, 26, 26)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 48, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(57, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

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

String enteredUsername = jTextField1.getText();

String enteredPassword = String.valueOf(jPasswordField1.getPassword());

//System.out.println(enteredPassword);

if (checkLogin(enteredUsername, enteredPassword)) {

JOptionPane.showMessageDialog(null, "Login successful. Redirecting to the next page.");

openStudentDetails();

} else {

JOptionPane.showMessageDialog(null, "Invalid credentials. Please try again.", "Error", JOptionPane.ERROR\_MESSAGE);

}

}

// Move the checkLogin method outside of the jButton1ActionPerformed method

private boolean checkLogin(String username, String password) {

System.out.println("Connecting to database...");

try (Connection connection = DriverManager.getConnection(JDBC\_URL, JDBC\_USER, JDBC\_PASSWORD)) {

System.out.println("Connected to the database.");

// Hash the entered password

String hashedPassword = hashPassword(password);

// Prepare SQL statement

String sql = "SELECT \* FROM ADMIN WHERE ID=? AND PASSWORD=?";

try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {

preparedStatement.setString(1, username);

preparedStatement.setString(2, hashedPassword);

try (ResultSet resultSet = preparedStatement.executeQuery()) {

return resultSet.next();

}

}

} catch (SQLException e) {

e.printStackTrace();

JOptionPane.showMessageDialog(null, "Error connecting to the database.", "Error", JOptionPane.ERROR\_MESSAGE);

return false;

}

}

private String hashPassword(String password) {

try {

MessageDigest md = MessageDigest.getInstance("SHA-256");

byte[] hashedBytes = md.digest(password.getBytes());

StringBuilder hexString = new StringBuilder();

for (byte b : hashedBytes) {

String hex = Integer.toHexString(0xff & b);

if (hex.length() == 1) {

hexString.append('0');

}

hexString.append(hex);

}

String hashedPassword = hexString.toString();

//System.out.println("Hashed Password: " + hashedPassword); // Print hashed password to console

return hashedPassword;

} catch (NoSuchAlgorithmException e) {

e.printStackTrace();

// Handle hashing error

return null;

}

}// Main method to launch the application

// Open the Student\_Details frame

private void openStudentDetails() {

// Create an instance of the Student\_Details class

Student\_Details studentDetailsFrame = new Student\_Details();

// Make the Student\_Details frame visible

studentDetailsFrame.setVisible(true);

// Optionally, you can close the current login frame if needed

this.dispose();

}

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 | InstantiationException | IllegalAccessException | javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Login\_page.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\_page().setVisible(true);

}

}) }

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

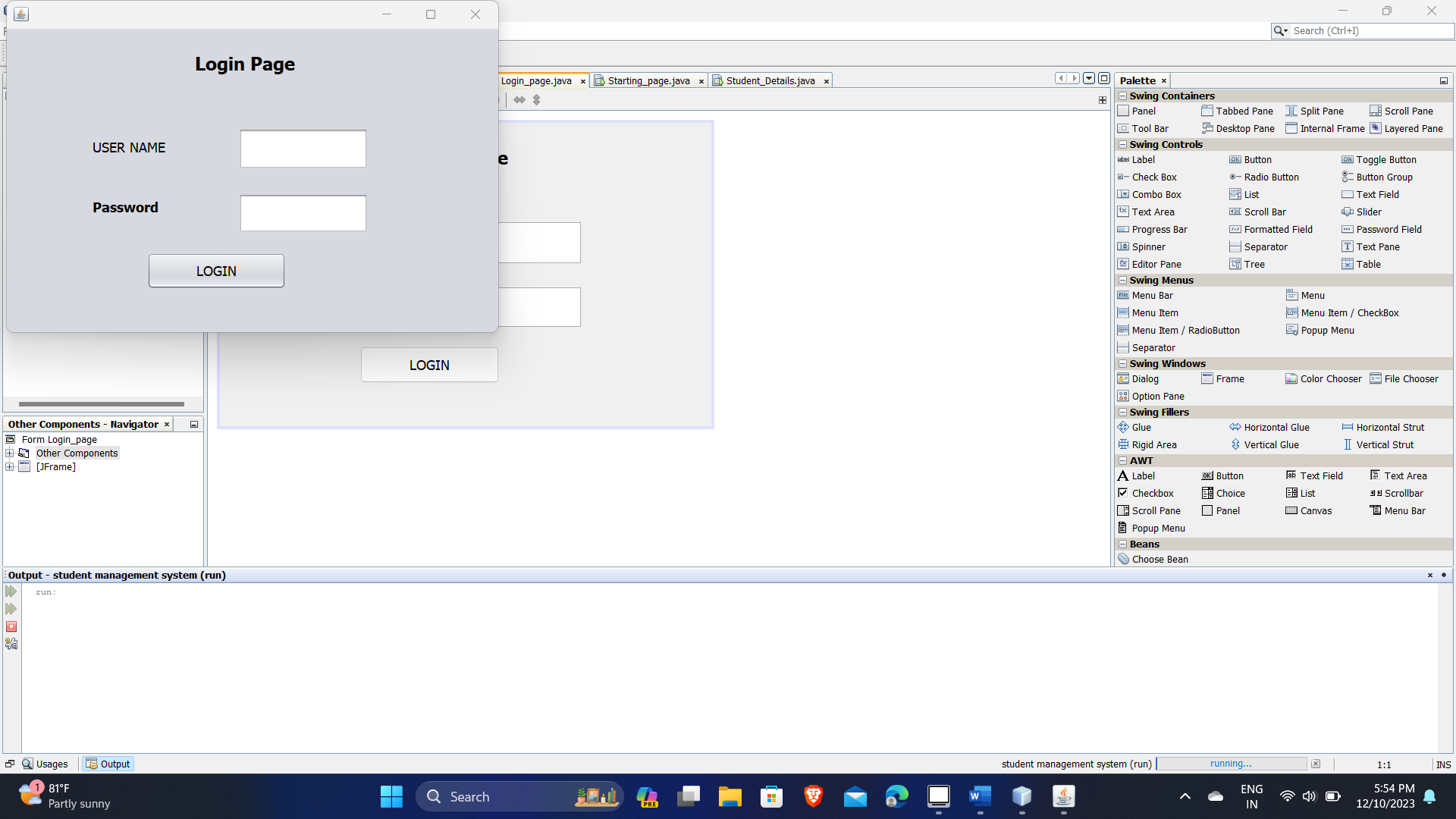
private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JPasswordField jPasswordField1;

private javax.swing.JTextField jTextField1; }

**OUTPUT**



**LANDING PAGE**

**SOURCE CODE**

public class Student\_Details extends javax.swing.JFrame {

public Student\_Details() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

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

jLabel1.setText("HELLO ADMIN. WHATS HAPPENING TODAY??");

jButton1.setBackground(new java.awt.Color(51, 255, 51));

jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton1.setText("ADD STUDENT DETAILS");

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

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

jButton1ActionPerformed(evt);

}

});

jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton2.setForeground(new java.awt.Color(255, 51, 51));

jButton2.setText("DELETE STUDENT DETAILS");

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

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

jButton2ActionPerformed(evt);

}

});

jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton3.setForeground(new java.awt.Color(51, 153, 255));

jButton3.setText("UPDATE STUDENT DETAILS");

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

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

jButton3ActionPerformed(evt);

}

});

jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jButton5.setText("VIEW STUDENT RECORD");

jButton5.addActionListener(new java.awt.event.ActionListener() {

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

jButton5ActionPerformed(evt);

}

});

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/PICS/IMG3.jpg"))); // NOI18N

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(166, 166, 166)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 672, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(33, 33, 33)

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

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 975, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 223, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton2)

.addGap(30, 30, 30)

.addComponent(jButton3)

.addGap(27, 27, 27)

.addComponent(jButton5)))))

.addContainerGap(38, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 58, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(44, 44, 44)

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

.addComponent(jButton2)

.addComponent(jButton3)

.addComponent(jButton5)

.addComponent(jButton1))

.addGap(18, 18, 18)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 454, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(19, 19, 19))

);

pack();

}// </editor-fold>

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

Update\_Student\_Details updatestudentdetails = new Update\_Student\_Details();

updatestudentdetails.setVisible(true);

}

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

Add\_Students addstudents = new Add\_Students();

addstudents.setVisible(true);

}

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

Delete\_Student\_Details deletestudentdetails = new Delete\_Student\_Details();

deletestudentdetails.setVisible(true);

}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

View\_Student\_Record viewstudentrecord = new View\_Student\_Record();

viewstudentrecord.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\_Details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Student\_Details.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 Student\_Details().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.JButton jButton5;

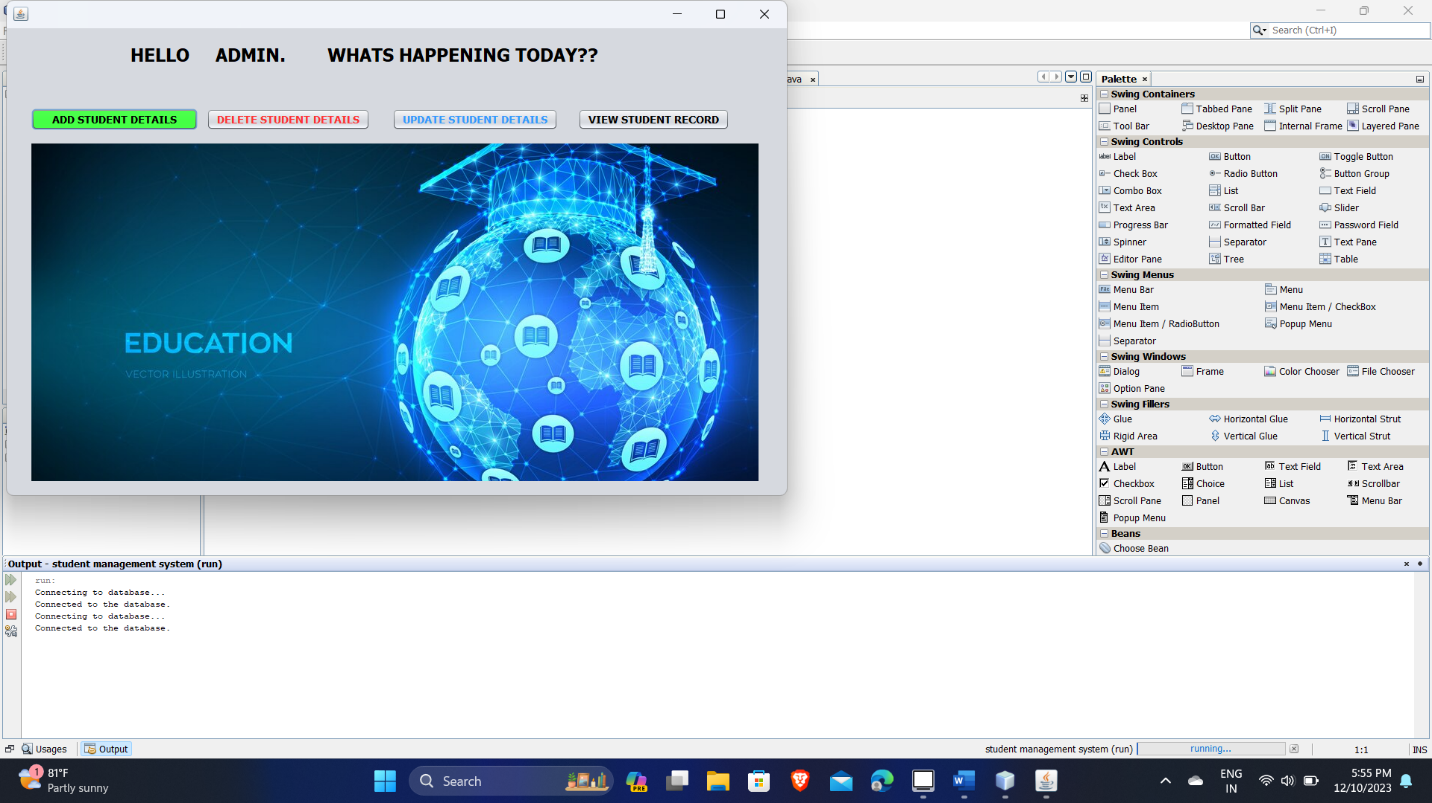
private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

// End of variables declaration

}

**OUTPUT**



**ADD STUDENT DETAILS**

**SOURCE CODE**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import javax.swing.JOptionPane;

import java.awt.event.WindowAdapter;

import java.awt.event.WindowEvent;

public class Add\_Students extends javax.swing.JFrame {

private static final String JDBC\_URL = "use jdbc url here";

private static final String JDBC\_USER = "SMS"; // your database schema name

private static final String JDBC\_PASSWORD = "use your oracle password here";

/\*\*

\* Creates new form Add\_Students

\*/

public Add\_Students() {

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() {

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

jLabel15 = new javax.swing.JLabel();

jLabel16 = new javax.swing.JLabel();

jLabel17 = new javax.swing.JLabel();

jLabel18 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jLabel21 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jTextField2 = new javax.swing.JTextField();

jTextField3 = new javax.swing.JTextField();

jTextField4 = new javax.swing.JTextField();

jTextField5 = new javax.swing.JTextField();

jTextField6 = new javax.swing.JTextField();

jTextField7 = new javax.swing.JTextField();

jTextField8 = new javax.swing.JTextField();

jTextField9 = new javax.swing.JTextField();

jTextField10 = new javax.swing.JTextField();

jTextField11 = new javax.swing.JTextField();

jTextField12 = new javax.swing.JTextField();

jTextField13 = new javax.swing.JTextField();

jTextField14 = new javax.swing.JTextField();

jTextField15 = new javax.swing.JTextField();

jTextField16 = new javax.swing.JTextField();

jTextField17 = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel2.setText("FIRST\_NAME ");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel3.setText("LAST\_NAME ");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel4.setText("DATE\_OF\_BIRTH ");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel5.setText("ADDRESS ");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel6.setText("FNAME");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel7.setText("MNAME");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel8.setText("GUARDIAN");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel9.setText("PHONR NUMBER");

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel10.setText("PREV SCHOOL NAME");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel11.setText("AADHAAR");

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel12.setText("EMAIL");

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel13.setText("ADMISSION DATE");

jLabel14.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel14.setText("BRANCH");

jLabel15.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel15.setText("YEAR");

jLabel16.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel16.setText("SECTION");

jLabel17.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel17.setText("LATERAL?");

jLabel18.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel18.setText("SID");

jButton1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jButton1.setText("SUBMIT");

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

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

jButton1ActionPerformed(evt);

}

});

jLabel21.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

jLabel21.setText("COOL..SEEMS LIKE WE GOT A NEW STUDENT.");

jTextField1.addActionListener(new java.awt.event.ActionListener() {

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

jTextField1ActionPerformed(evt);

}

});

jTextField8.addActionListener(new java.awt.event.ActionListener() {

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

jTextField8ActionPerformed(evt);

}

});

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/PICS/COOL.jpg"))); // NOI18N

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(51, 51, 51)

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

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

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jTextField1)

.addComponent(jTextField2)

.addComponent(jTextField3)

.addComponent(jTextField4)

.addComponent(jTextField5)

.addComponent(jTextField6)

.addComponent(jTextField7)

.addComponent(jTextField8)

.addComponent(jTextField9, javax.swing.GroupLayout.DEFAULT\_SIZE, 225, Short.MAX\_VALUE))

.addGap(53, 53, 53)

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

.addGroup(layout.createSequentialGroup()

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

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

.addComponent(jLabel15, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel16, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 144, Short.MAX\_VALUE))

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

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel12, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel14, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel13, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel17, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 144, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(38, 38, 38)

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

.addGroup(layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 193, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(218, 218, 218))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jTextField13)

.addComponent(jTextField12)

.addComponent(jTextField11)

.addComponent(jTextField14)

.addComponent(jTextField15)

.addComponent(jTextField16)

.addComponent(jTextField17, javax.swing.GroupLayout.DEFAULT\_SIZE, 145, Short.MAX\_VALUE))

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel21))

.addGroup(layout.createSequentialGroup()

.addGap(99, 99, 99)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 289, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(123, 123, 123))))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED\_SIZE, 166, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(48, 48, 48)

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

.addComponent(jLabel18)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel10)

.addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(50, 50, 50)

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

.addComponent(jLabel2)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGap(42, 42, 42)

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

.addComponent(jLabel11)

.addComponent(jTextField11, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(45, 45, 45)

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel3)

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

.addComponent(jLabel12)

.addComponent(jTextField12, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(51, 51, 51)

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

.addComponent(jLabel4)

.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel13)

.addComponent(jTextField13, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(38, 38, 38)

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

.addComponent(jLabel5)

.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField14, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 46, Short.MAX\_VALUE)

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

.addComponent(jLabel6)

.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel16)

.addComponent(jTextField15, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 32, Short.MAX\_VALUE))

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

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 21, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 355, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(3, 3, 3)))

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

.addComponent(jLabel7)

.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel15)

.addComponent(jTextField16, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(12, 12, 12)

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

.addGroup(layout.createSequentialGroup()

.addGap(33, 33, 33)

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

.addComponent(jLabel8)

.addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel17)

.addComponent(jTextField17, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 22, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 88, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(52, 52, 52))

.addGroup(layout.createSequentialGroup()

.addGap(33, 33, 33)

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

.addComponent(jLabel9)

.addComponent(jTextField9, 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>

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void jTextField8ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

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

// Insert data into the database

if (insertData()) {

//DO NOTHING

} else {

JOptionPane.showMessageDialog(null, "Error inserting data.", "Error", JOptionPane.ERROR\_MESSAGE);

}

}

private boolean insertData() {

String sql = "INSERT INTO student " +

"(SID, FIRST\_NAME, LAST\_NAME, DATE\_OF\_BIRTH, ADDRESS, " +

"FNAME, MNAME, GUARDIAN, PHONE, PREV\_SCHOOL\_NAME, " +

"AADHAAR, EMAIL, ADMISSION\_DATE, BRANCH, YEAR, " +

"SECTION, LATERAL\_ENTRY) " +

"VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)";

try (Connection connection = DriverManager.getConnection(JDBC\_URL, JDBC\_USER, JDBC\_PASSWORD);

PreparedStatement preparedStatement = connection.prepareStatement(sql)) {

preparedStatement.setString(1, jTextField1.getText()); // SID

preparedStatement.setString(2, jTextField2.getText()); // FIRST\_NAME

preparedStatement.setString(3, jTextField3.getText()); // LAST\_NAME

preparedStatement.setString(4, jTextField4.getText()); // DATE\_OF\_BIRTH

preparedStatement.setString(5, jTextField5.getText()); // ADDRESS

preparedStatement.setString(6, jTextField6.getText()); // FNAME

preparedStatement.setString(7, jTextField7.getText()); // MNAME

preparedStatement.setString(8, jTextField8.getText()); // GUARDIAN

preparedStatement.setString(9, jTextField9.getText()); // PHONE

preparedStatement.setString(10, jTextField10.getText()); // PREV\_SCHOOL\_NAME

preparedStatement.setString(11, jTextField11.getText()); // AADHAAR

preparedStatement.setString(12, jTextField12.getText()); // EMAIL

preparedStatement.setString(13, jTextField13.getText()); // ADMISSION\_DATE

preparedStatement.setString(14, jTextField14.getText()); // BRANCH

preparedStatement.setString(15, jTextField15.getText()); // YEAR

preparedStatement.setString(16, jTextField16.getText()); // SECTION

preparedStatement.setString(17, jTextField17.getText()); // LATERAL\_ENTRY

// Execute the query

preparedStatement.executeUpdate();

// Show success message

JOptionPane.showMessageDialog(null, "Data inserted successfully.");

return true;

} catch (SQLException e) {

e.printStackTrace();

// Handle the exception

JOptionPane.showMessageDialog(null, "Error inserting data to the database.", "Error", JOptionPane.ERROR\_MESSAGE);

return false;

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

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

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

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

break;

}

}

} catch (ClassNotFoundException ex) {

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Add\_Students.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 Add\_Students().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel21;

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.JTextField jTextField1;

private javax.swing.JTextField jTextField10;

private javax.swing.JTextField jTextField11;

private javax.swing.JTextField jTextField12;

private javax.swing.JTextField jTextField13;

private javax.swing.JTextField jTextField14;

private javax.swing.JTextField jTextField15;

private javax.swing.JTextField jTextField16;

private javax.swing.JTextField jTextField17;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

private javax.swing.JTextField jTextField4;

private javax.swing.JTextField jTextField5;

private javax.swing.JTextField jTextField6;

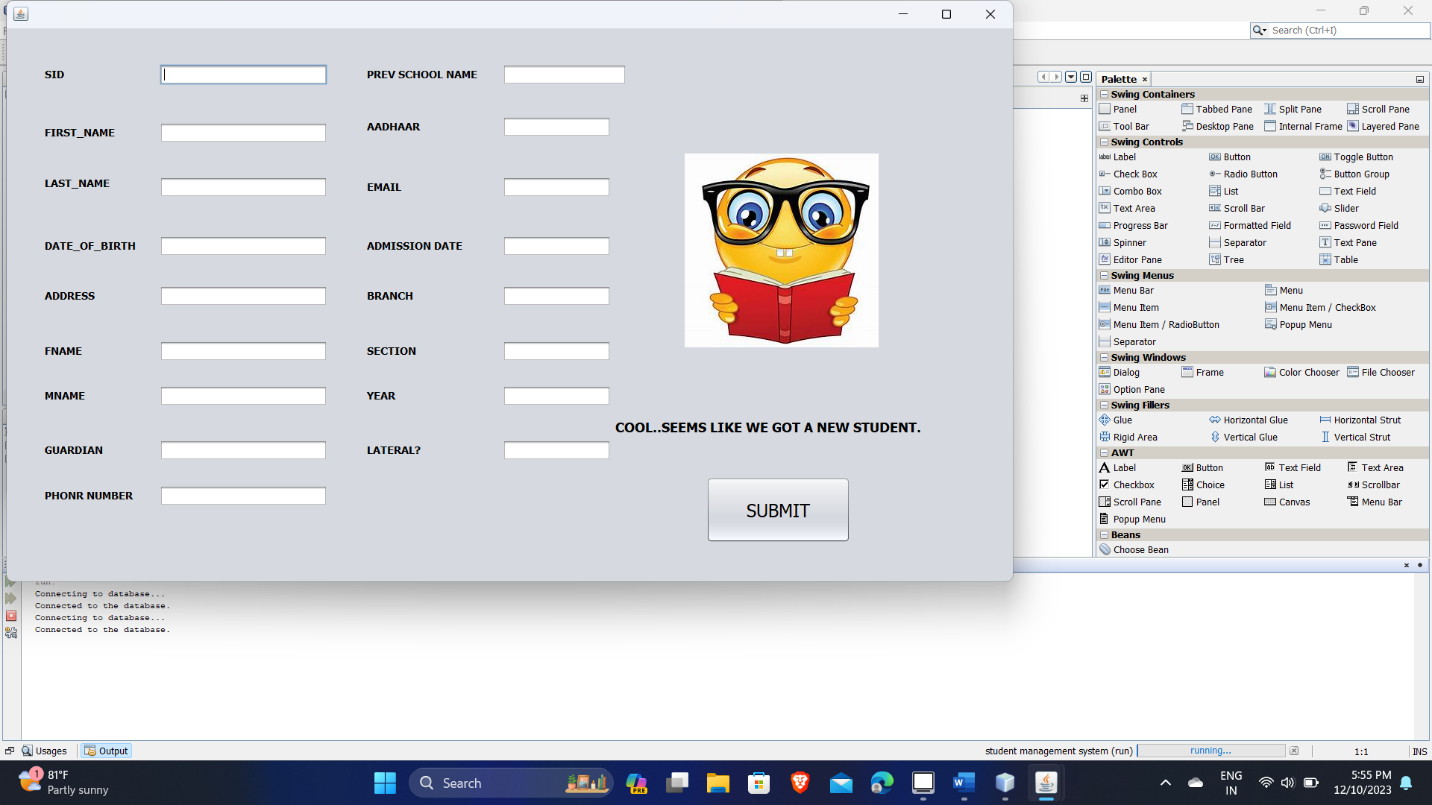
private javax.swing.JTextField jTextField7;

private javax.swing.JTextField jTextField8;

private javax.swing.JTextField jTextField9;

// End of variables declaration }

**OUTPUT**

****

**UPDATE STUDENT DETAILS**

**SOURCE CODE**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.JOptionPane;

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

/\*\*

\*

\* @author Hi

\*/

public class Update\_Student\_Details extends javax.swing.JFrame {

private static final String JDBC\_URL = "use jdbc url here";

private static final String JDBC\_USER = "SMS"; // your database schema name

private static final String JDBC\_PASSWORD = "use your oracle password here";

/\*\*

\* Creates new form Add\_Students

\*/

public Update\_Student\_Details() {

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() {

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

jLabel15 = new javax.swing.JLabel();

jLabel16 = new javax.swing.JLabel();

jLabel17 = new javax.swing.JLabel();

jLabel18 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jLabel19 = new javax.swing.JLabel();

jLabel21 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jTextField2 = new javax.swing.JTextField();

jTextField3 = new javax.swing.JTextField();

jTextField4 = new javax.swing.JTextField();

jTextField5 = new javax.swing.JTextField();

jTextField6 = new javax.swing.JTextField();

jTextField7 = new javax.swing.JTextField();

jTextField8 = new javax.swing.JTextField();

jTextField9 = new javax.swing.JTextField();

jTextField10 = new javax.swing.JTextField();

jTextField11 = new javax.swing.JTextField();

jTextField12 = new javax.swing.JTextField();

jTextField13 = new javax.swing.JTextField();

jTextField14 = new javax.swing.JTextField();

jTextField15 = new javax.swing.JTextField();

jTextField16 = new javax.swing.JTextField();

jTextField17 = new javax.swing.JTextField();

jButton2 = new javax.swing.JButton();

jTextField18 = new javax.swing.JTextField();

jLabel1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel2.setText("FIRST\_NAME ");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel3.setText("LAST\_NAME ");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel4.setText("DATE\_OF\_BIRTH ");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel5.setText("ADDRESS ");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel6.setText("FNAME");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel7.setText("MNAME");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel8.setText("GUARDIAN");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel9.setText("PHONR NUMBER");

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel10.setText("PREV SCHOOL NAME");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel11.setText("AADHAAR");

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel12.setText("EMAIL");

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel13.setText("ADMISSION DATE");

jLabel14.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel14.setText("BRANCH");

jLabel15.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel15.setText("YEAR");

jLabel16.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel16.setText("SECTION");

jLabel17.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel17.setText("LATERAL?");

jLabel18.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel18.setText("SID");

jButton1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jButton1.setText("SUBMIT");

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

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

jButton1ActionPerformed(evt);

}

});

jLabel19.setIcon(new javax.swing.ImageIcon(getClass().getResource("/PICS/HELLO.jpg"))); // NOI18N

jLabel21.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

jLabel21.setText("I WILL UPDATE DETAILS FOR YOU.");

jTextField1.addActionListener(new java.awt.event.ActionListener() {

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

jTextField1ActionPerformed(evt);

}

});

jTextField8.addActionListener(new java.awt.event.ActionListener() {

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

jTextField8ActionPerformed(evt);

}

});

jButton2.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

jButton2.setText("GET DETAILS");

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

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

jButton2ActionPerformed(evt);

}

});

jLabel1.setText("student ID here (down)");

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(51, 51, 51)

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

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

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jTextField1)

.addComponent(jTextField2)

.addComponent(jTextField3)

.addComponent(jTextField4)

.addComponent(jTextField5)

.addComponent(jTextField6)

.addComponent(jTextField7)

.addComponent(jTextField8)

.addComponent(jTextField9, javax.swing.GroupLayout.DEFAULT\_SIZE, 225, Short.MAX\_VALUE))

.addGap(53, 53, 53)

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

.addGroup(layout.createSequentialGroup()

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

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

.addComponent(jLabel15, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel16, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 144, Short.MAX\_VALUE))

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

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel12, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel14, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel13, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel17, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 144, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(38, 38, 38)

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

.addGroup(layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 193, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(218, 218, 218))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jTextField13)

.addComponent(jTextField12)

.addComponent(jTextField11)

.addComponent(jTextField14)

.addComponent(jTextField15)

.addComponent(jTextField16)

.addComponent(jTextField17))

.addGap(87, 87, 87)

.addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED\_SIZE, 245, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(99, 99, 99))))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED\_SIZE, 166, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(layout.createSequentialGroup()

.addGap(134, 134, 134)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGap(206, 206, 206))

.addGroup(layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(221, 221, 221))

.addGroup(layout.createSequentialGroup()

.addGap(119, 119, 119)

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

.addComponent(jLabel21)

.addComponent(jTextField18, javax.swing.GroupLayout.PREFERRED\_SIZE, 201, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())))))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(42, 42, 42)

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

.addComponent(jLabel18)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel10)

.addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(layout.createSequentialGroup()

.addGap(50, 50, 50)

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

.addComponent(jLabel2)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGap(42, 42, 42)

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

.addComponent(jLabel11)

.addComponent(jTextField11, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

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

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jTextField18, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 76, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(layout.createSequentialGroup()

.addGap(45, 45, 45)

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel3)

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

.addComponent(jLabel12)

.addComponent(jTextField12, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(51, 51, 51)

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

.addComponent(jLabel4)

.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel13)

.addComponent(jTextField13, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(38, 38, 38)

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

.addComponent(jLabel5)

.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField14, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addComponent(jLabel6)

.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel16)

.addComponent(jTextField15, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addComponent(jLabel7)

.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel15)

.addComponent(jTextField16, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(12, 12, 12))

.addGroup(layout.createSequentialGroup()

.addGap(18, 102, Short.MAX\_VALUE)

.addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED\_SIZE, 252, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(layout.createSequentialGroup()

.addGap(33, 33, 33)

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

.addComponent(jLabel8)

.addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel17)

.addComponent(jTextField17, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 26, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 88, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(52, 52, 52))

.addGroup(layout.createSequentialGroup()

.addGap(33, 33, 33)

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

.addComponent(jLabel9)

.addComponent(jTextField9, 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>

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void jTextField8ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void updateRecord() {

// Get values from text fields

String sid = jTextField1.getText(); // SID is in jTextField1

String firstName = jTextField2.getText();

String lastName = jTextField3.getText();

String dateOfBirth = jTextField4.getText();

String address = jTextField5.getText();

String fname = jTextField6.getText();

String mname = jTextField7.getText();

String guardian = jTextField8.getText();

String phone = jTextField9.getText();

String prevSchoolName = jTextField10.getText();

String aadhaar = jTextField11.getText();

String email = jTextField12.getText();

String admissionDate = jTextField13.getText();

String branch = jTextField14.getText();

String year = jTextField15.getText();

String section = jTextField16.getText();

String lateralEntry = jTextField17.getText();

// Check if certain fields are empty

boolean optionalFieldsEmpty = guardian.isEmpty() && email.isEmpty() && lateralEntry.isEmpty();

// Check if required fields are empty

if (firstName.isEmpty() || address.isEmpty() || phone.isEmpty() || prevSchoolName.isEmpty() || aadhaar.isEmpty() || admissionDate.isEmpty() || branch.isEmpty() || year.isEmpty() || section.isEmpty()) {

JOptionPane.showMessageDialog(this, "Required fields cannot be empty.", "Error", JOptionPane.ERROR\_MESSAGE);

return;

}

// JDBC code to update data in the database

try (Connection connection = DriverManager.getConnection(JDBC\_URL, JDBC\_USER, JDBC\_PASSWORD)) {

// Prepare SQL statement

String sql = "UPDATE STUDENT SET FIRST\_NAME=?, LAST\_NAME=?, DATE\_OF\_BIRTH=?, ADDRESS=?, FNAME=?, MNAME=?, GUARDIAN=?, PHONE=?, PREV\_SCHOOL\_NAME=?, AADHAAR=?, EMAIL=?, ADMISSION\_DATE=?, BRANCH=?, YEAR=?, SECTION=?, LATERAL\_ENTRY=? WHERE SID=?";

try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {

// Set values in the prepared statement

preparedStatement.setString(1, firstName);

preparedStatement.setString(2, lastName);

preparedStatement.setString(3, dateOfBirth);

preparedStatement.setString(4, address);

preparedStatement.setString(5, fname);

preparedStatement.setString(6, mname);

preparedStatement.setString(7, guardian);

preparedStatement.setString(8, phone);

preparedStatement.setString(9, prevSchoolName);

preparedStatement.setString(10, aadhaar);

preparedStatement.setString(11, email);

preparedStatement.setString(12, admissionDate);

preparedStatement.setString(13, branch);

preparedStatement.setString(14, year);

preparedStatement.setString(15, section);

preparedStatement.setString(16, lateralEntry);

// Set SID as the last parameter

preparedStatement.setString(17, sid);

// Execute the update

int rowsUpdated = preparedStatement.executeUpdate();

if (rowsUpdated > 0) {

// Update successful

JOptionPane.showMessageDialog(this, "Record updated successfully.", "Update Successful", JOptionPane.INFORMATION\_MESSAGE);

} else if (rowsUpdated == 0) {

// No modifications to data, record not updated

JOptionPane.showMessageDialog(this, "No modifications made. Record not updated.", "No Modifications", JOptionPane.INFORMATION\_MESSAGE);

} else {

// No record found for the given SID

JOptionPane.showMessageDialog(this, "No record found for SID: " + sid, "Record Not Found", JOptionPane.ERROR\_MESSAGE);

}

}

} catch (SQLException e) {

e.printStackTrace();

// Handle the SQL exception appropriately (log it, display an error message, etc.)

}

}

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

updateRecord();

}

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

// Get the ID from jTextField18

String Sid = jTextField18.getText();

// JDBC code to fetch data from the database

try (Connection connection = DriverManager.getConnection(JDBC\_URL, JDBC\_USER, JDBC\_PASSWORD)) {

// Prepare SQL statement

String sql = "SELECT \* FROM STUDENT WHERE SID = ?";

try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {

preparedStatement.setString(1, Sid);

// Execute the query

try (ResultSet resultSet = preparedStatement.executeQuery()) {

if (resultSet.next()) {

// Student found, populate text fields

jTextField1.setText(resultSet.getString("SID"));

jTextField2.setText(resultSet.getString("FIRST\_NAME"));

jTextField3.setText(resultSet.getString("LAST\_NAME"));

jTextField4.setText(resultSet.getString("DATE\_OF\_BIRTH"));

jTextField5.setText(resultSet.getString("ADDRESS"));

jTextField6.setText(resultSet.getString("FNAME"));

jTextField7.setText(resultSet.getString("MNAME"));

jTextField8.setText(resultSet.getString("GUARDIAN"));

jTextField9.setText(resultSet.getString("PHONE"));

jTextField10.setText(resultSet.getString("PREV\_SCHOOL\_NAME"));

jTextField11.setText(resultSet.getString("AADHAAR"));

jTextField12.setText(resultSet.getString("EMAIL"));

jTextField13.setText(resultSet.getString("ADMISSION\_DATE"));

jTextField14.setText(resultSet.getString("BRANCH"));

jTextField15.setText(resultSet.getString("YEAR"));

jTextField16.setText(resultSet.getString("SECTION"));

jTextField17.setText(resultSet.getString("LATERAL\_ENTRY"));

} else {

// Student not found

JOptionPane.showMessageDialog(this, "No record found for SID: " + Sid, "Record Not Found", JOptionPane.INFORMATION\_MESSAGE);

}

}

}

} catch (SQLException e) {

e.printStackTrace();

// Handle the SQL exception appropriately (log it, display an error message, etc.)

}

}

/\*\*

\* @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(Add\_Students.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Add\_Students.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 Update\_Student\_Details().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 jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel21;

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.JTextField jTextField1;

private javax.swing.JTextField jTextField10;

private javax.swing.JTextField jTextField11;

private javax.swing.JTextField jTextField12;

private javax.swing.JTextField jTextField13;

private javax.swing.JTextField jTextField14;

private javax.swing.JTextField jTextField15;

private javax.swing.JTextField jTextField16;

private javax.swing.JTextField jTextField17;

private javax.swing.JTextField jTextField18;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

private javax.swing.JTextField jTextField4;

private javax.swing.JTextField jTextField5;

private javax.swing.JTextField jTextField6;

private javax.swing.JTextField jTextField7;

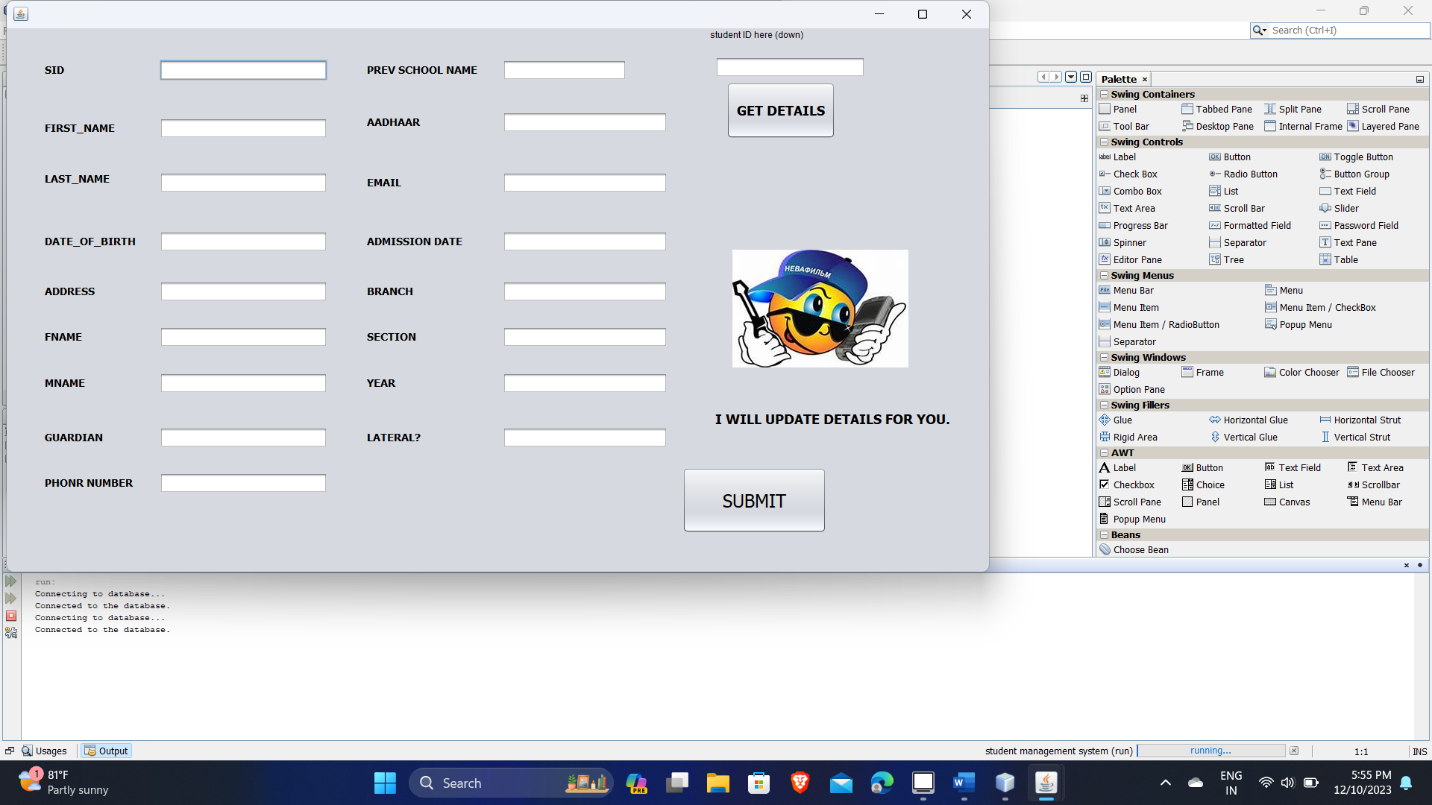
private javax.swing.JTextField jTextField8;

private javax.swing.JTextField jTextField9;

// End of variables declaration

}

**OUTPUT**



**DELETE STUDENT DETAILS**

**SOURCE CODE**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import javax.swing.JOptionPane;

public class Delete\_Student\_Details extends javax.swing.JFrame {

private static final String JDBC\_URL = "use jdbc url here";

private static final String JDBC\_USER = "SMS"; // your database schema name

private static final String JDBC\_PASSWORD = "use your oracle password here";

/\*\*

\* Creates new form Delete\_Student\_Details

\*/

public Delete\_Student\_Details() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

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

jButton1.setForeground(new java.awt.Color(255, 51, 51));

jButton1.setText("DELETE RECORD");

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

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

jButton1ActionPerformed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel2.setText("ENTER STUDENT ID TO DELETE");

jTextField1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jTextField1.addActionListener(new java.awt.event.ActionListener() {

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

jTextField1ActionPerformed(evt);

}

});

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel4.setText("K, IM DELETING YOUR STUFF");

jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/PICS/CONFUSED.jpg"))); // NOI18N

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(50, 50, 50)

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

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 242, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 242, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addComponent(jLabel1)

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(80, 80, 80)

.addComponent(jButton1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 216, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(34, 34, 34))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(30, 30, 30)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 242, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(129, 129, 129)

.addComponent(jLabel2)

.addGap(41, 41, 41)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addContainerGap()

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 208, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(layout.createSequentialGroup()

.addGap(3, 3, 3)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(142, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void deleteRecord() {

String sid = jTextField1.getText(); // Get the SID to delete

// JDBC code to delete the record from the database

try (Connection connection = DriverManager.getConnection(JDBC\_URL, JDBC\_USER, JDBC\_PASSWORD)) {

// Prepare SQL statement

String sql = "DELETE FROM STUDENT WHERE SID = ?";

try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {

preparedStatement.setString(1, sid);

// Execute the delete

int rowsDeleted = preparedStatement.executeUpdate();

if (rowsDeleted > 0) {

// Deletion successful

JOptionPane.showMessageDialog(this, "Record deleted successfully.", "Deletion Successful", JOptionPane.INFORMATION\_MESSAGE);

} else {

// No record found for the given SID

JOptionPane.showMessageDialog(this, "No record found for SID: " + sid, "Record Not Found", JOptionPane.ERROR\_MESSAGE);

}

}

} catch (SQLException e) {

e.printStackTrace();

// Handle the SQL exception appropriately (log it, display an error message, etc.)

}

}

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

deleteRecord();

}

private void jTextField1ActionPerformed(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(Delete\_Student\_Details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Delete\_Student\_Details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Delete\_Student\_Details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Delete\_Student\_Details.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 Delete\_Student\_Details().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

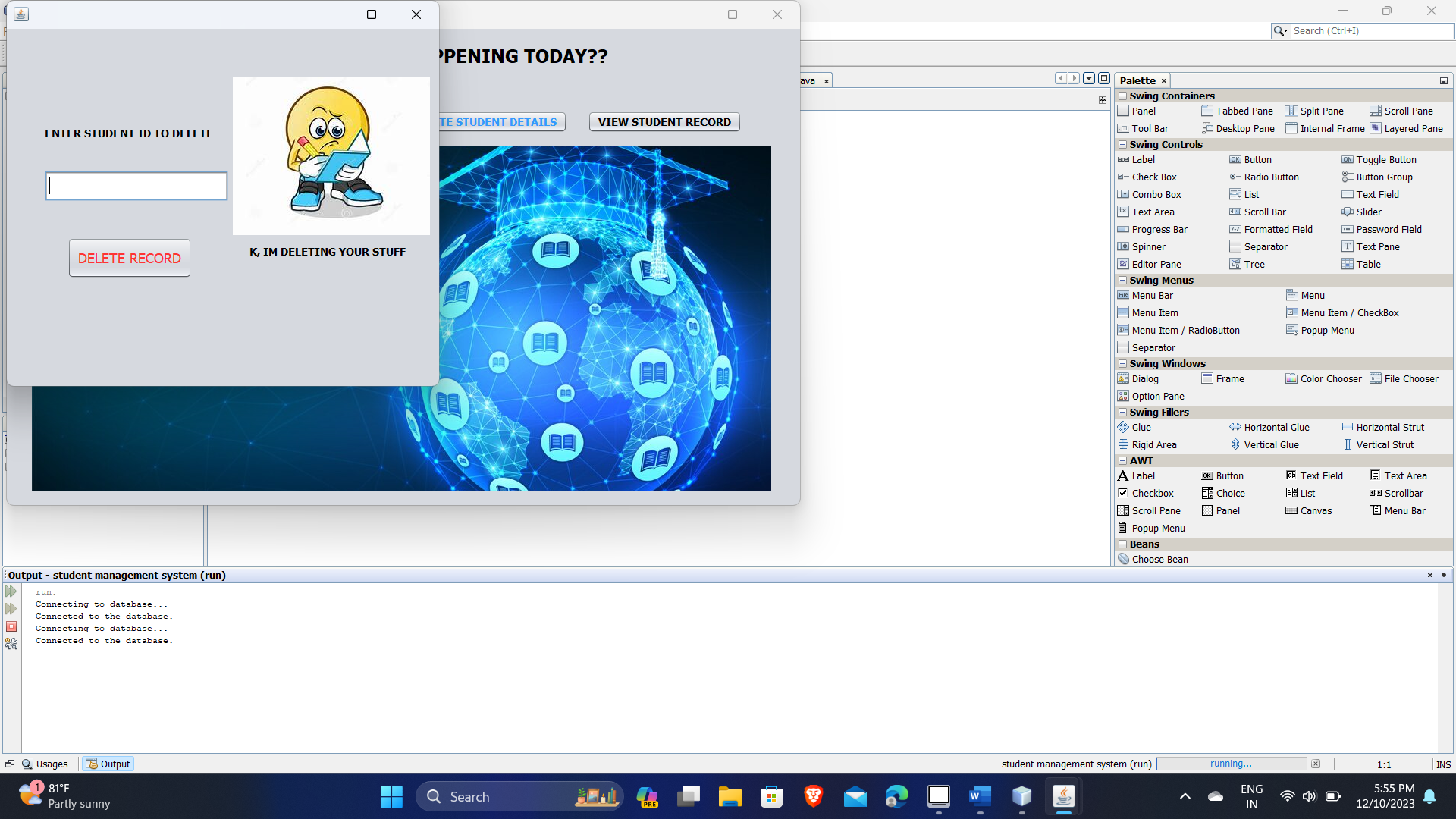
private javax.swing.JLabel jLabel4;

private javax.swing.JTextField jTextField1;

// End of variables declaration

}

**OUTPUT**



**VIEW STUDENT DETAILS**

**SOURCE CODE**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

/\*\*

\*

\* @author Hi

\*/

public class View\_Student\_Record extends javax.swing.JFrame {

private static final String JDBC\_URL = "use jdbc url here";

private static final String JDBC\_USER = "SMS"; // your database schema name

private static final String JDBC\_PASSWORD = "use your oracle password here";

/\*\*

\* Creates new form View\_Student\_Record

\*/

public View\_Student\_Record() {

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();

jTextField2 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

jTextField3 = new javax.swing.JTextField();

textArea1 = new java.awt.TextArea();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel1.setText("HELLO ADMIN . HERE IS THE SEARCH RESULTS OF ");

jTextField2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jTextField2.addActionListener(new java.awt.event.ActionListener() {

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

jTextField2ActionPerformed(evt);

}

});

jButton1.setFont(new java.awt.Font("Tahoma", 2, 14)); // NOI18N

jButton1.setText("SEARCH");

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

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

jButton1ActionPerformed(evt);

}

});

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

jLabel2.setText("SEARCH WITH STUDENT ID.");

textArea1.setEditable(false);

textArea1.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N

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()

.addContainerGap(354, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 264, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(35, 35, 35)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, 192, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jButton1)

.addGap(75, 75, 75))

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

.addGap(29, 29, 29)

.addComponent(jLabel1)

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

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 262, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(43, 358, Short.MAX\_VALUE))

.addComponent(textArea1, javax.swing.GroupLayout.Alignment.TRAILING, 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()

.addContainerGap()

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

.addComponent(jButton1)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2))

.addGap(44, 44, 44)

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

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(205, 205, 205)

.addComponent(textArea1, javax.swing.GroupLayout.DEFAULT\_SIZE, 437, Short.MAX\_VALUE)

.addContainerGap())

);

pack();

}// </editor-fold>

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

// Get the SID from jTextField3

String sid = jTextField3.getText();

// JDBC code to fetch data from the database

try (Connection connection = DriverManager.getConnection(JDBC\_URL, JDBC\_USER, JDBC\_PASSWORD)) {

// Prepare SQL statement

String sql = "SELECT \* FROM STUDENT WHERE SID = ?";

try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {

preparedStatement.setString(1, sid);

// Execute the query

try (ResultSet resultSet = preparedStatement.executeQuery()) {

if (resultSet.next()) {

// Student found, populate jTextField2 with the first name

String firstName = resultSet.getString("FIRST\_NAME");

jTextField2.setText(firstName);

// Build the full record and set it to jTextField1

StringBuilder recordText = new StringBuilder();

recordText.append("SID: ").append(resultSet.getString("SID")).append(System.lineSeparator());

recordText.append("First Name: ").append(firstName).append(System.lineSeparator());

recordText.append("Last Name: ").append(resultSet.getString("LAST\_NAME")).append(System.lineSeparator());

recordText.append("Date of Birth: ").append(resultSet.getString("DATE\_OF\_BIRTH")).append(System.lineSeparator());

recordText.append("Address: ").append(resultSet.getString("ADDRESS")).append(System.lineSeparator());

recordText.append("Father's Name: ").append(resultSet.getString("FNAME")).append(System.lineSeparator());

recordText.append("Mother's Name: ").append(resultSet.getString("MNAME")).append(System.lineSeparator());

recordText.append("Guardian: ").append(resultSet.getString("GUARDIAN")).append(System.lineSeparator());

recordText.append("Phone: ").append(resultSet.getLong("PHONE")).append(System.lineSeparator());

recordText.append("Previous School: ").append(resultSet.getString("PREV\_SCHOOL\_NAME")).append(System.lineSeparator());

recordText.append("Aadhaar: ").append(resultSet.getLong("AADHAAR")).append(System.lineSeparator());

recordText.append("Email: ").append(resultSet.getString("EMAIL")).append(System.lineSeparator());

recordText.append("Admission Date: ").append(resultSet.getString("ADMISSION\_DATE")).append(System.lineSeparator());

recordText.append("Branch: ").append(resultSet.getString("BRANCH")).append(System.lineSeparator());

recordText.append("Year: ").append(resultSet.getString("YEAR")).append(System.lineSeparator());

recordText.append("Section: ").append(resultSet.getString("SECTION")).append(System.lineSeparator());

recordText.append("Lateral Entry: ").append(resultSet.getString("LATERAL\_ENTRY")).append(System.lineSeparator());

// Set the record text to jTextField1

textArea1.setText(recordText.toString());

} else {

// Student not found

jTextField2.setText("");

textArea1.setText("No record found for SID: " + sid);

}

}

}

} catch (SQLException e) {

e.printStackTrace();

// Handle the SQL exception appropriately (log it, display an error message, etc.)

}

}

private void jTextField2ActionPerformed(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(View\_Student\_Record.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(View\_Student\_Record.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(View\_Student\_Record.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(View\_Student\_Record.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 View\_Student\_Record().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

private java.awt.TextArea textArea1;

// End of variables declaration

}

**OUTPUT**

