### JAVA SWING BASED – ONLINE ADAPTIVE ASSESSMENT FEEDBACK FORM-SQL CONNECTIVITY USING JDBC

*A*

*Report*

*Submitted in partial fulfilment of the Requirements for the award of the Degree of*

***BACHELOR OF TECHNOLOGY***

***IN***

#### INFORMATION TECHNOLOGY

By

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##### Under the Guidance of

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Diagram

Description automatically generated with low confidence

### Department of Information Technology Vasavi College of Engineering (Autonomous) (Affiliated to Osmania University) Ibrahimbagh, Hyderabad-31

### 2021-2022

BONAFIDE CERTIFICATE

This to Certify that the project report titled

### “ONLINE ADAPTIVE ASSESSMENT FEEDBACK FORM” project work of Ms.Narsini shravani bearing Roll.no:1602-20-737-039 who carried out this project under my supervision in the IV semester for the academic year 2021-2022.

*Signature Signature*

*external examiner internal examiner*

**ABSTRACT:**

Online adaptive assessment feedback form aims to simplify the interaction between student and TRO. Students gives their feedback regarding their skills like technical and personals skills through feedback form. Technical Resource Officer(TRO) assess the skills of students and suggests what can be improved from feedback. This makes students to know what are the skills they need to be improved and how to improve them.

**REQUIREMENT ANALYSIS**

List of Tables**:**

* Student
* Feedback
* TRO
* Gives
* Suggestive measures

## **List of Attributes with their Domain Types:**

### Student:

* SID NUMBER(5)
* SNAME VARCHAR2(30)
* EMAIL VARCHAR2(30)
* PHONE\_NUMBER NUMBER(10)

### Feedback:

* SID NUMBER(5)
* TRO\_ID NUMBER
* PERSONAL VARCHAR2(100)
* TECHNICAL VARCHAR2(10)

### TRO:

* TRO\_ID NUMBER
* TNAME VARCHAR2(20)
* EMAIL VARCHAR2(30)
* PHN\_NUMBER NUMBER(10)

### GIVES:

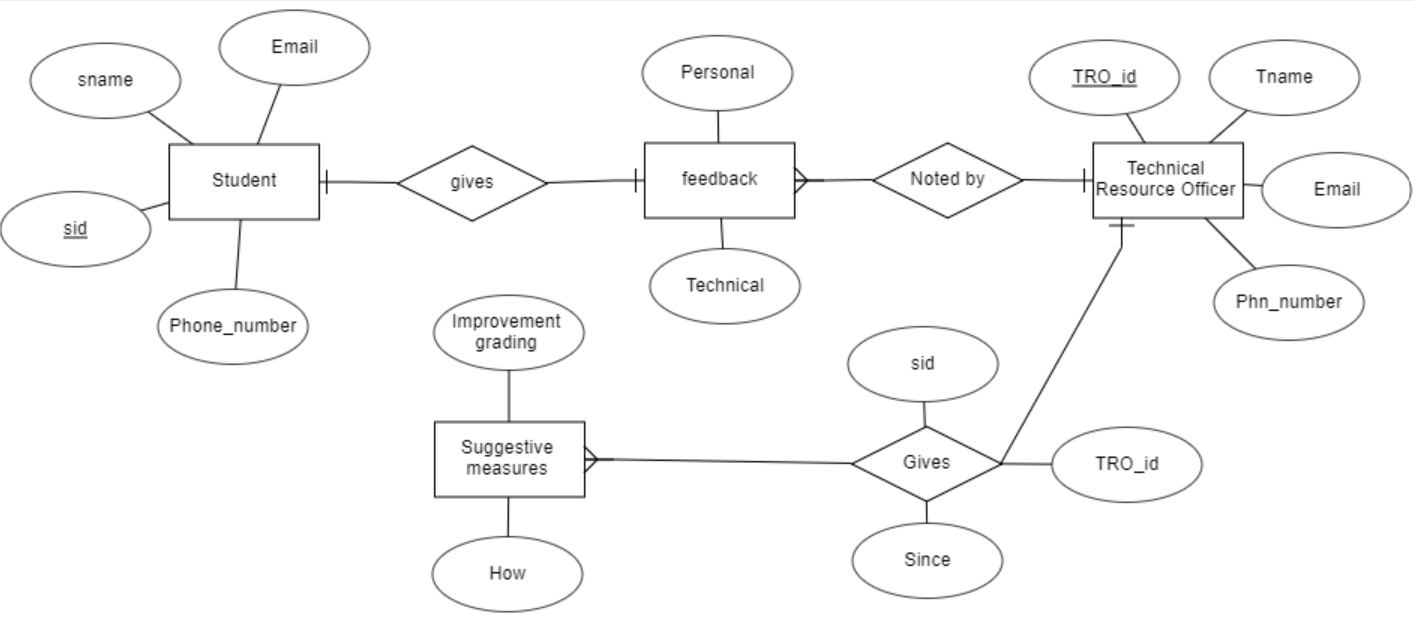
* SID NUMBER(5)
* TRO\_ID NUMBER
* SINCE DATE

### SUGGESTIVE\_MEASURES:

* SID NUMBER(5)
* TRO\_ID NUMBER
* IMPROVEMENT\_GRADING NUMBER
* HOW VARCHAR2(200)

**DESIGN :**

ENTITY RELATIONSHIP DIAGRAM



# **DDL OPERATIONS:**

**1)**

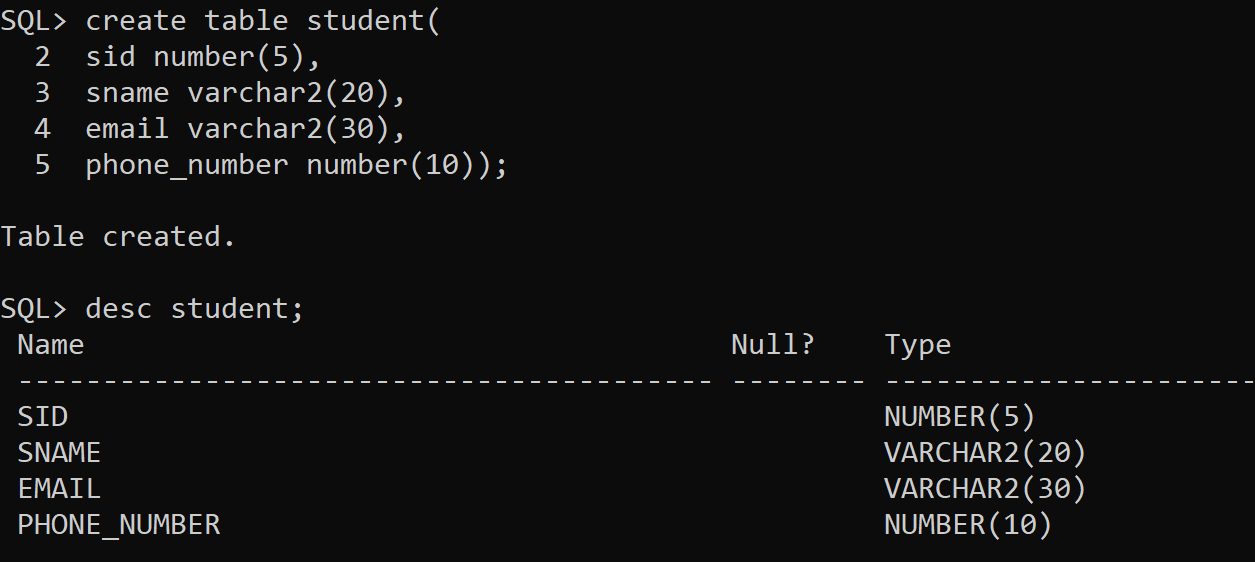
Create table student(

sid number(5),

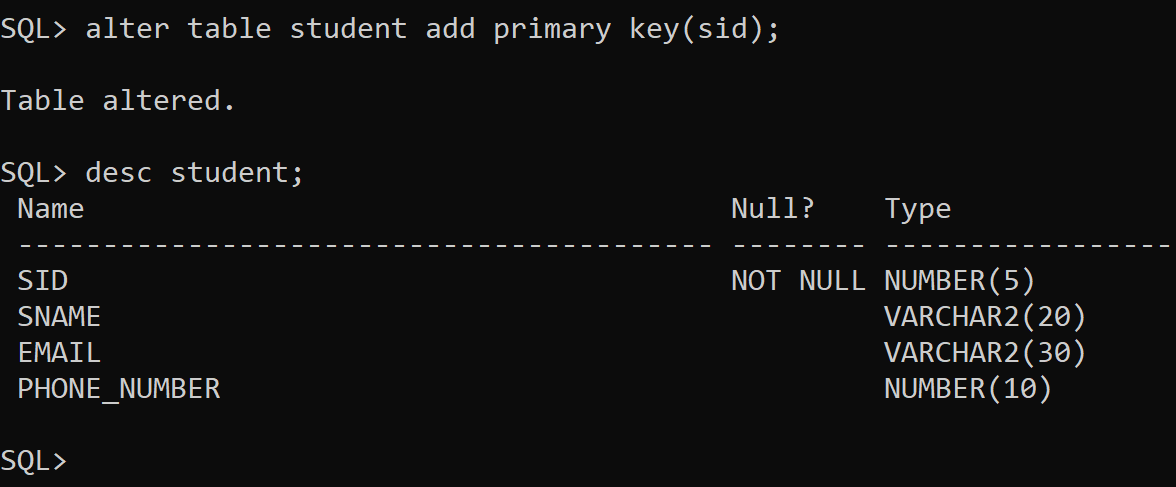
sname varchar2(20),

email varchar2(30),

phone\_number number(10));



**SETTING SID AS PRIMARY KEY:**  
alter table student add primary key(sid);



**2)**

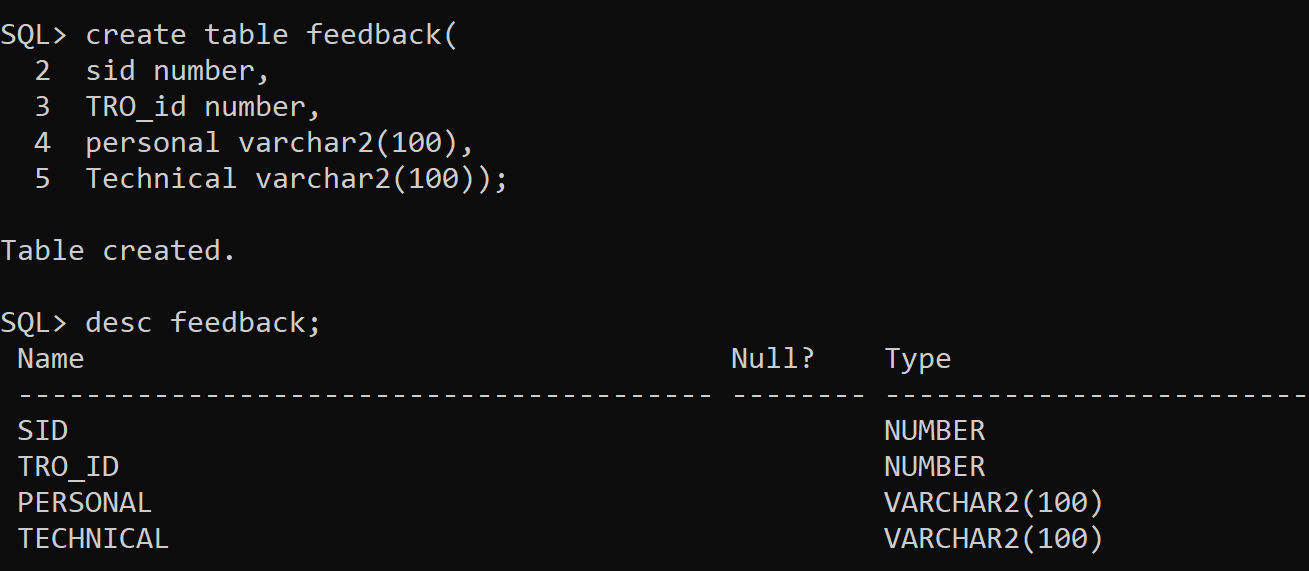
Create table feedback(

sid number,

TRO\_id number,

Personal varchar2(100),

Technical varchar2(100));



**3)**

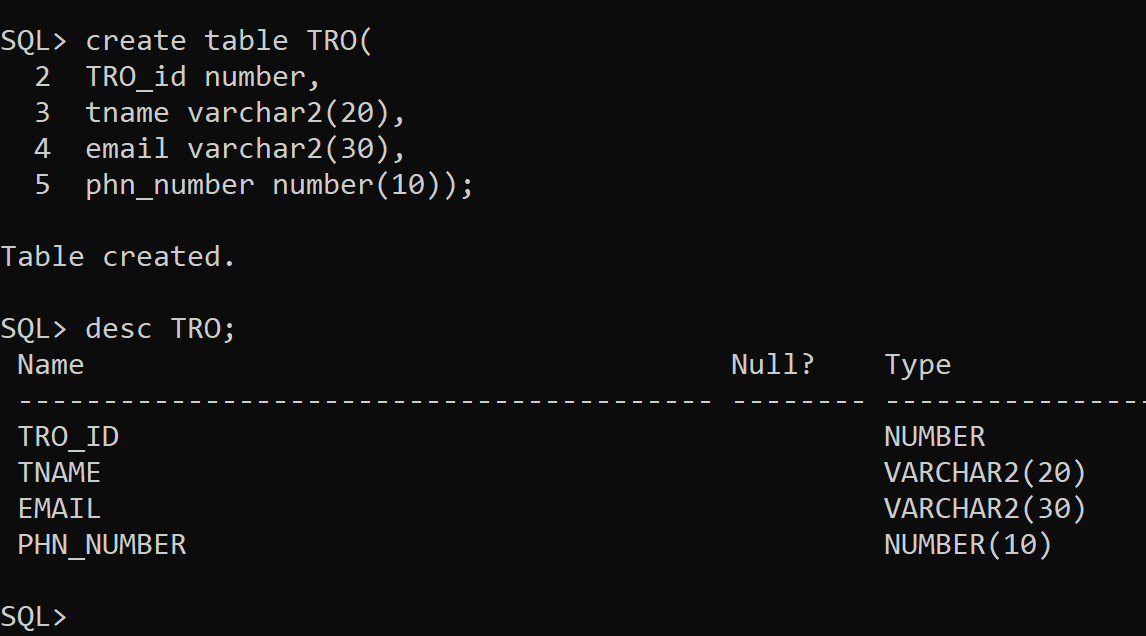
Create table TRO(

TRO\_id number(5),

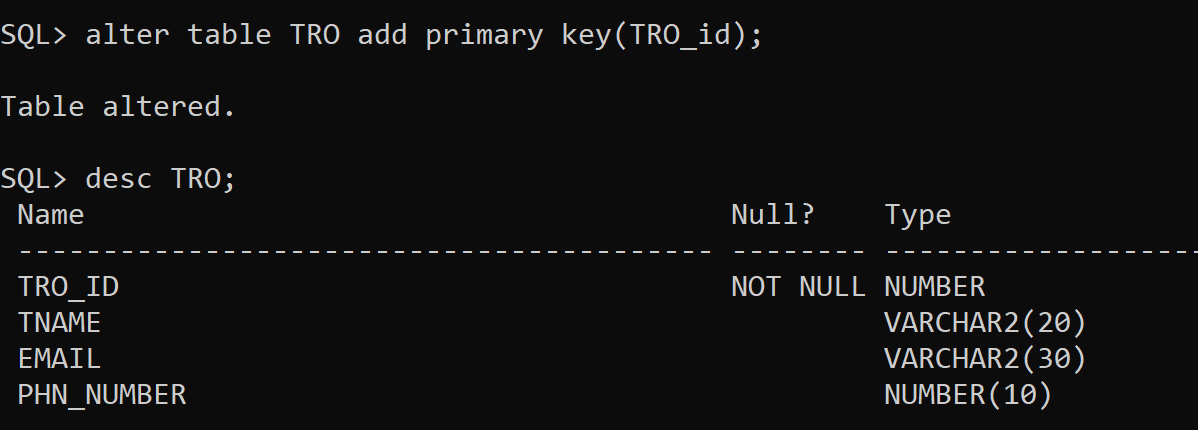
tname varchar2(20),

email varchar2(30),

phn\_number number(10));



**SETTING TRO\_id AS PRIMARY KEY:**  
alter table student add primary key(TRO\_id);



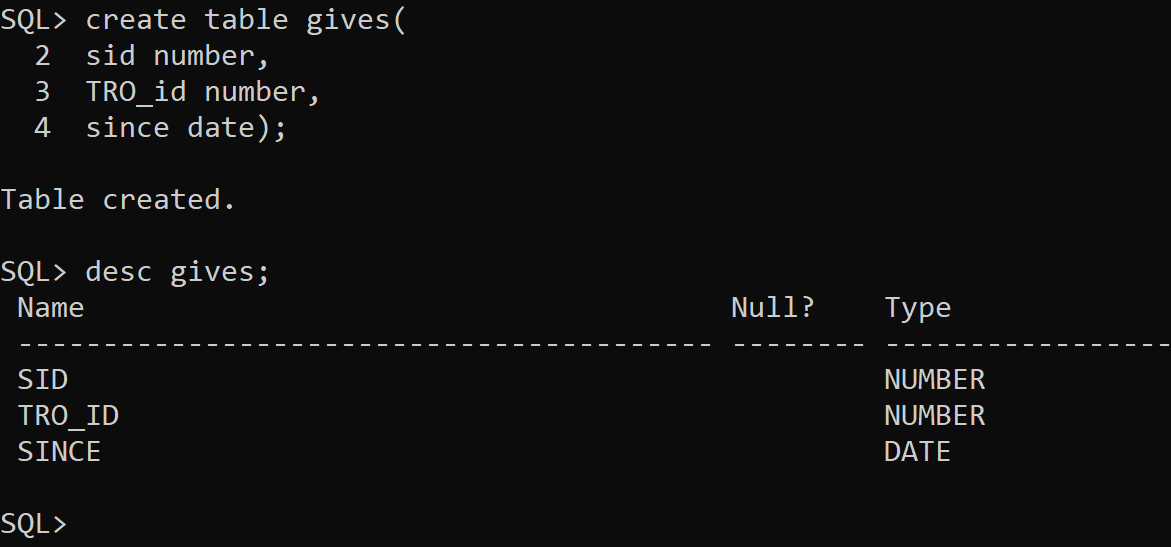
**4)**

Create table gives(

sid number,

TRO\_id number

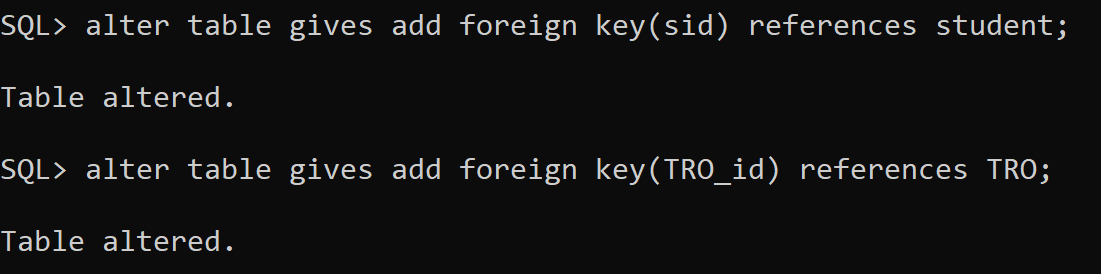
Since date);



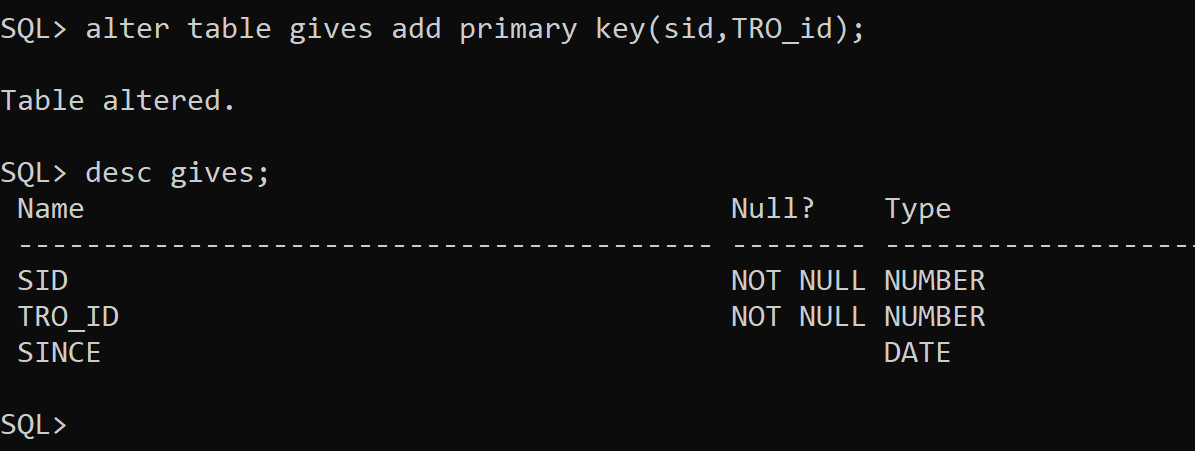
**Making sid and tro\_id as foreign key:**

Alter table gives add foreign key(sid) references student;

Alter table gives add foreign key(TRO\_id) references TRO;



Alter table gives add primary key(sid,TRO\_id);



**5)**

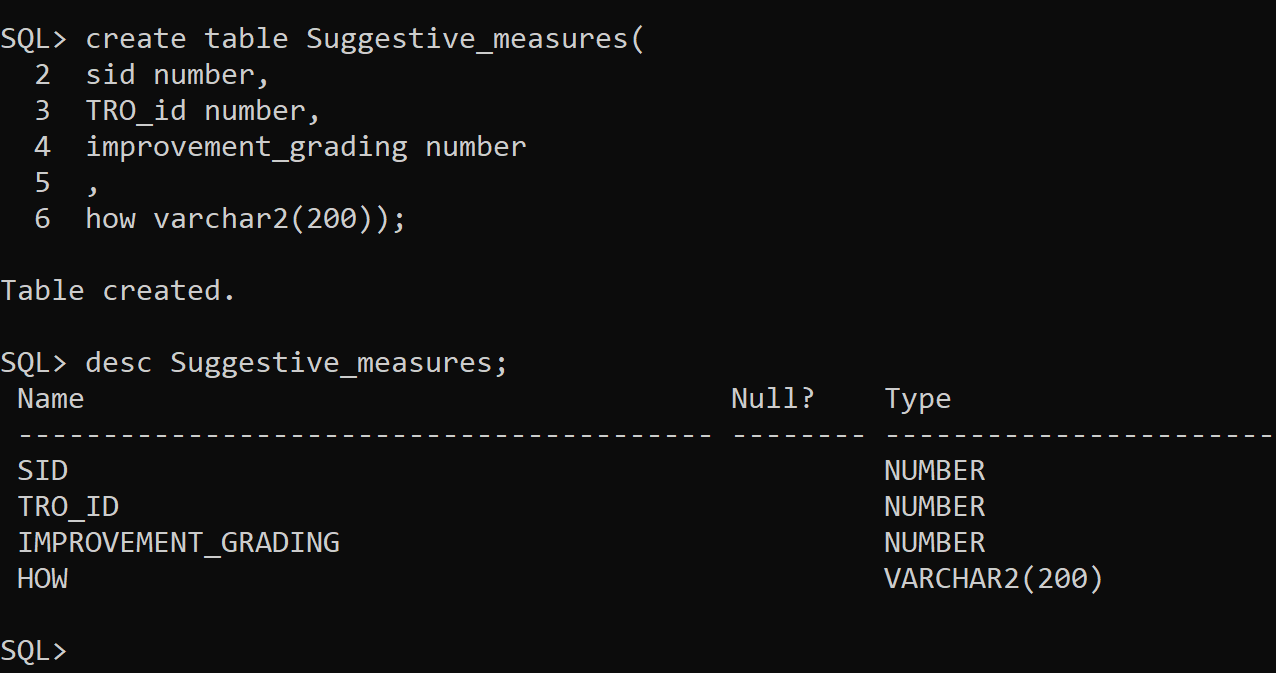
Create table Suggestive\_measures(

sid number,

TRO\_id number,

Improvement\_grading number,

how varchar2(200));

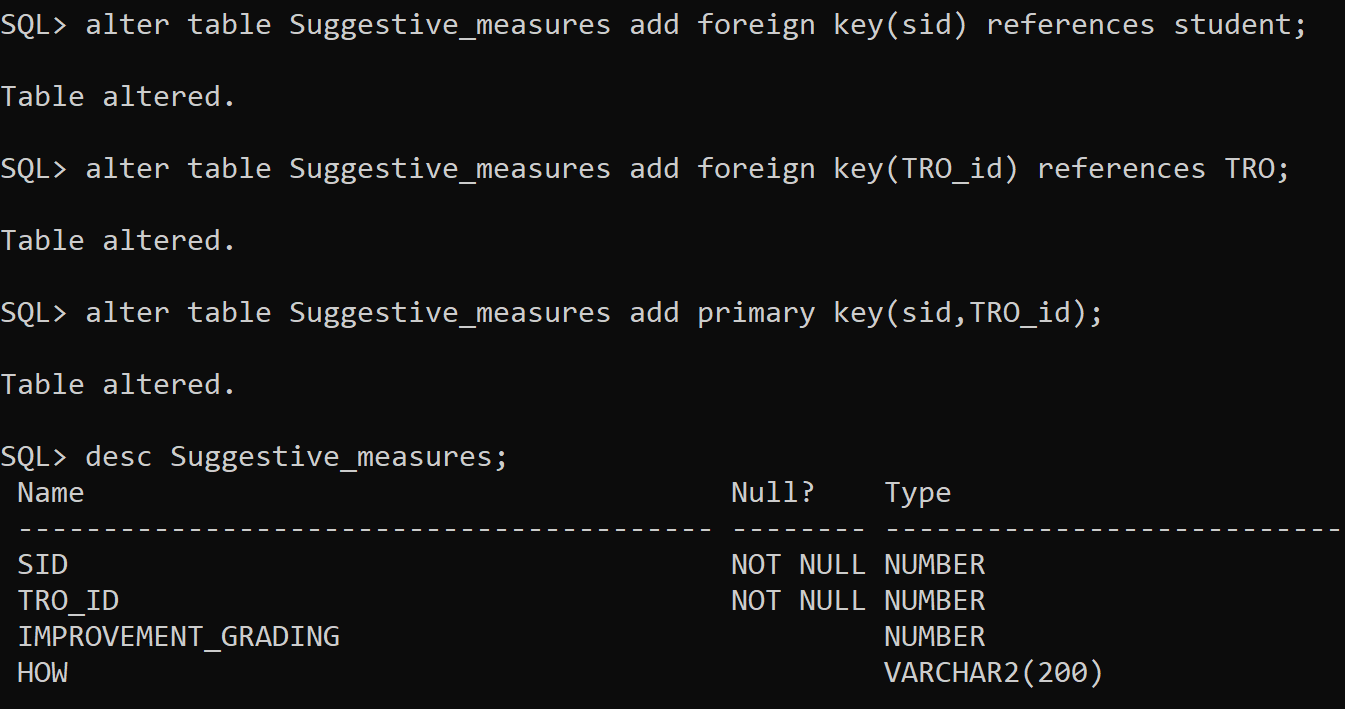


**Making sid and tro\_id as foreign key:**

Alter table Suggestive\_measures add foreign key(sid) references student;

Alter table Suggestive\_measures add foreign key(TRO\_id) references TRO;

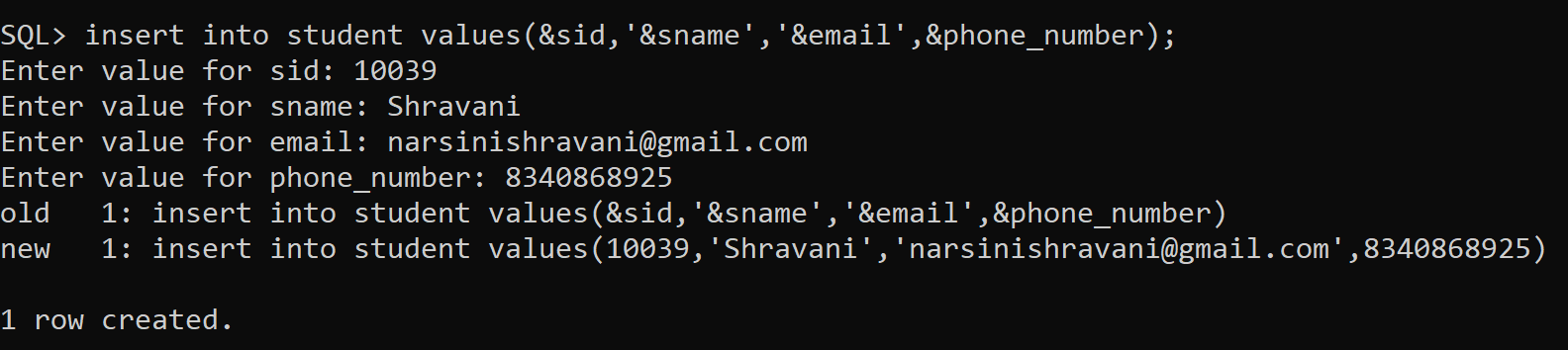
Alter table Suggestive\_measures add primary key(sid,TRO\_id);

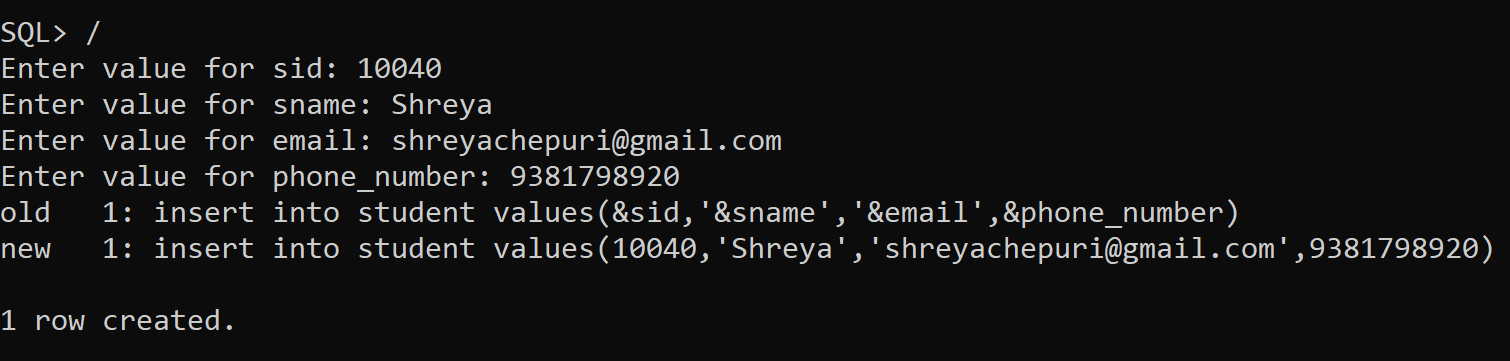


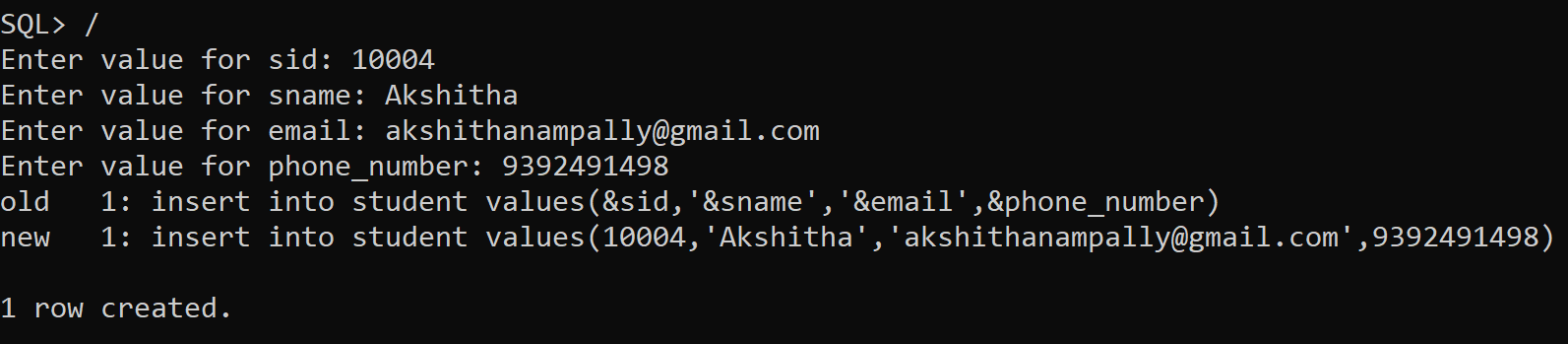
**DML OPERATIONS:**

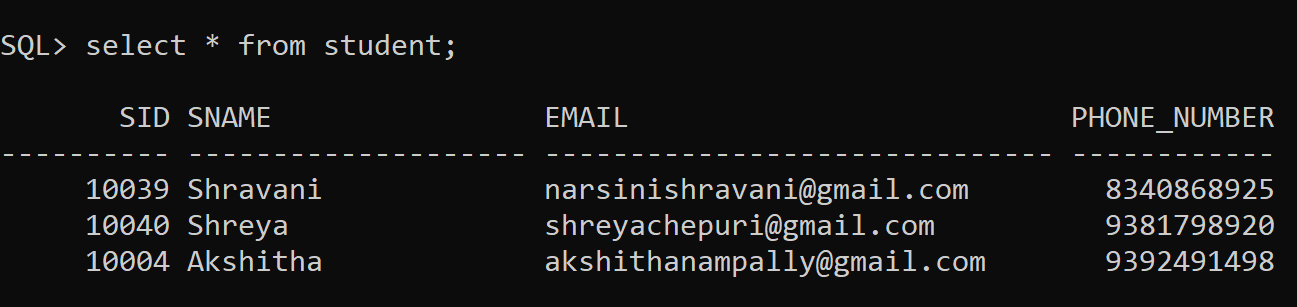
**1) Inserting values into student table:**

insert into student values(&sid,'&sname','&email',&phone\_number);



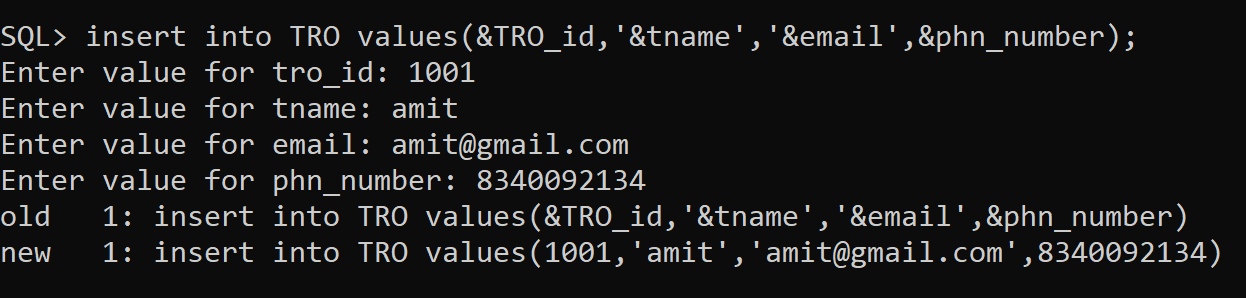






**2)Inserting values into TRO table:**

insert into TRO values(&tro\_id,'&tname','&email',&phn\_number);



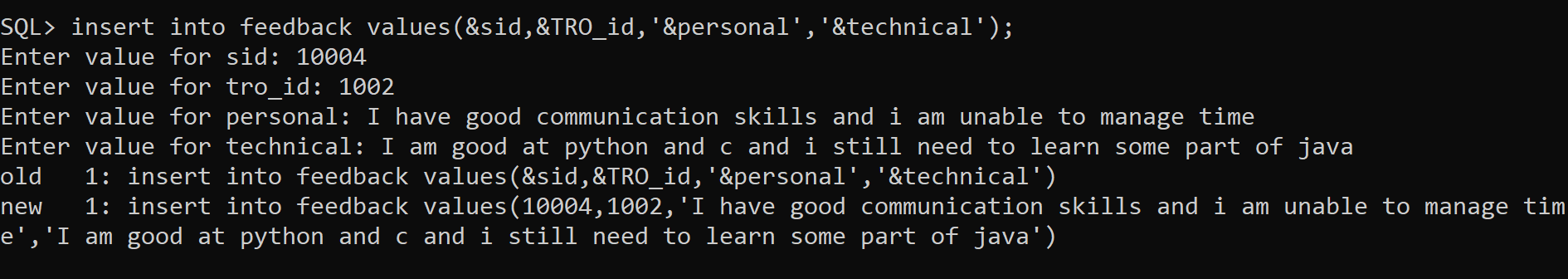


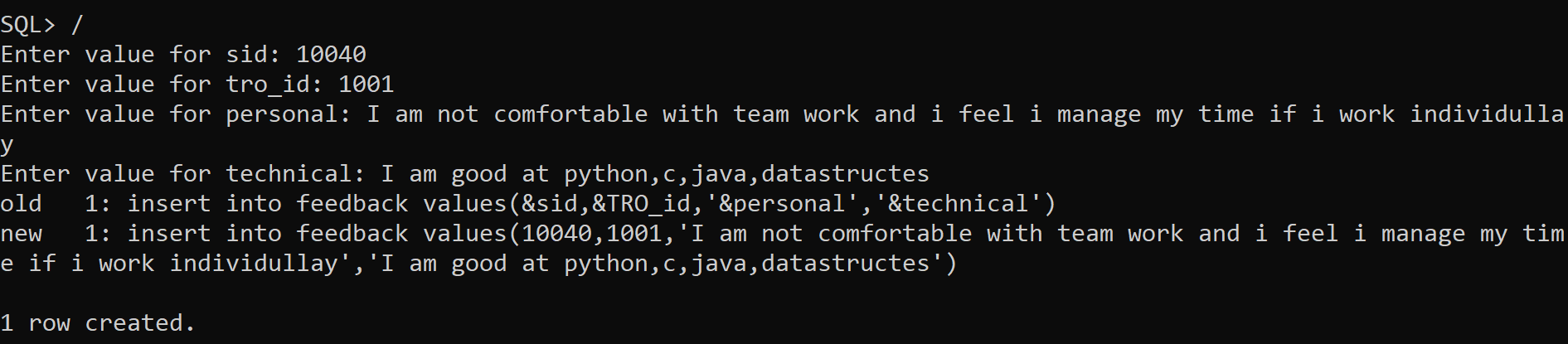


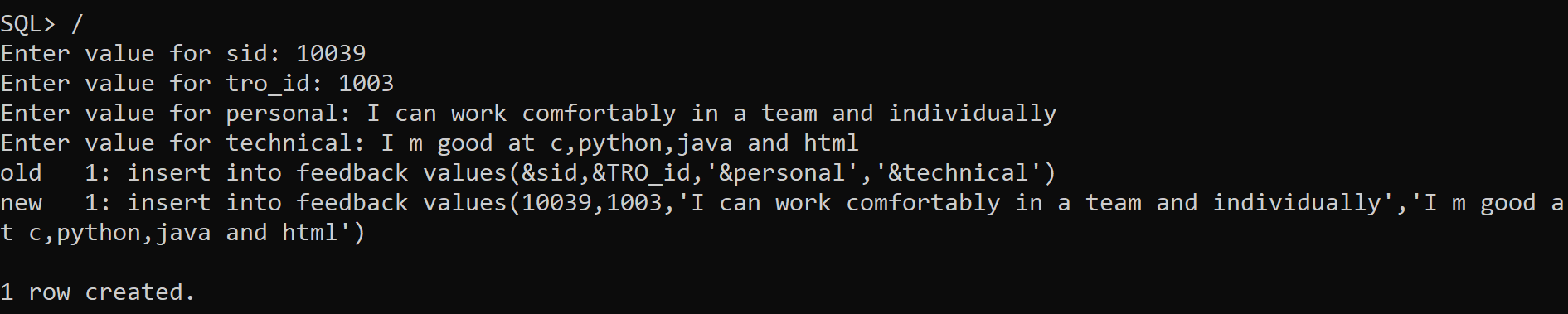


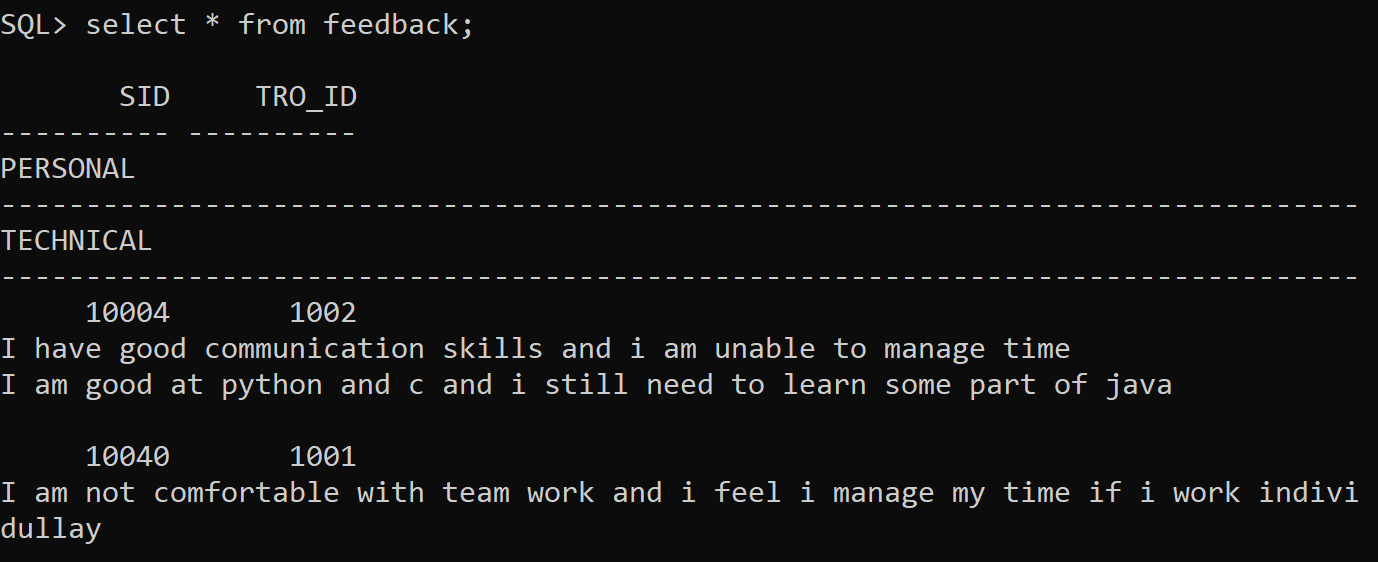
**3)Inserting values into feedback table:**

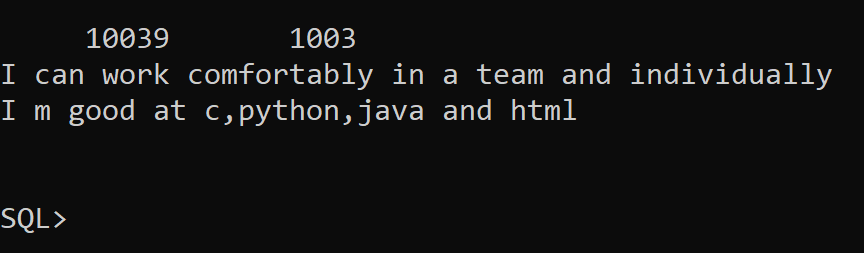
Insert into feedback values(&sid,&TRO\_id,’&personal’,’&technical’);





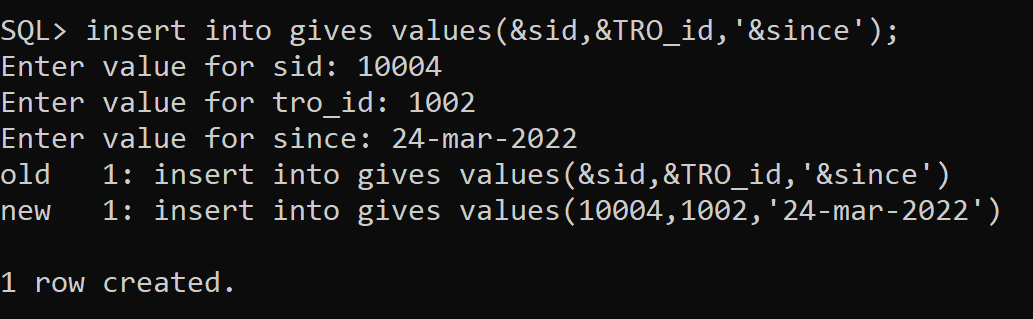


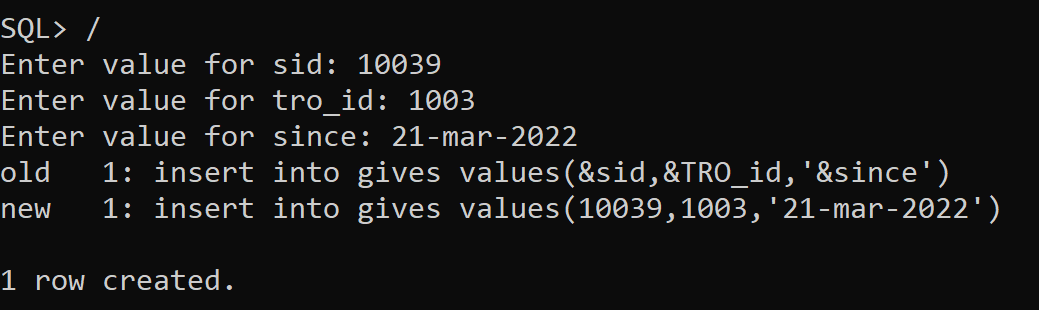


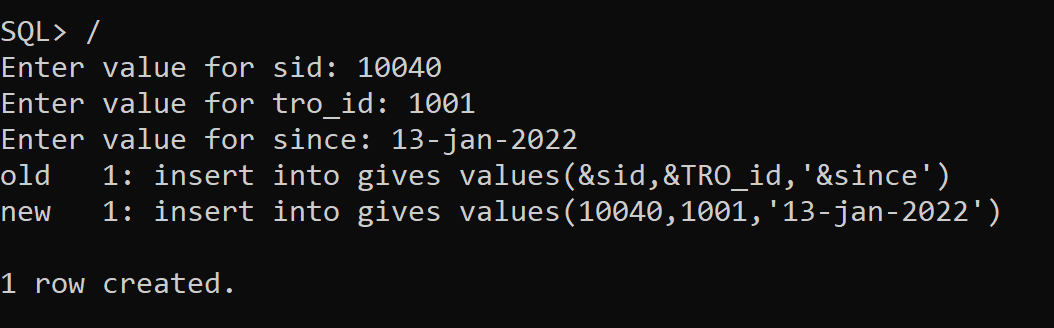


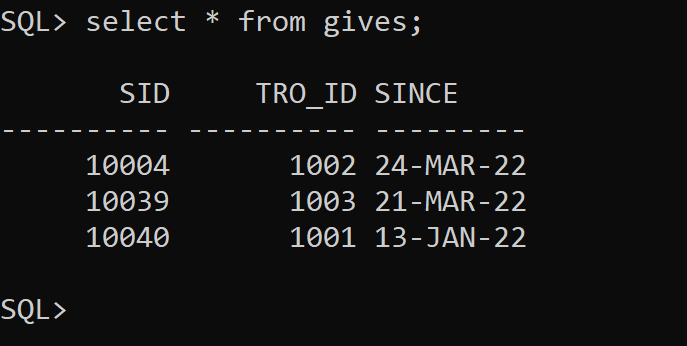
**4)Inserting values into gives table:**

insert into gives values(&sid,&tro\_id,'since');



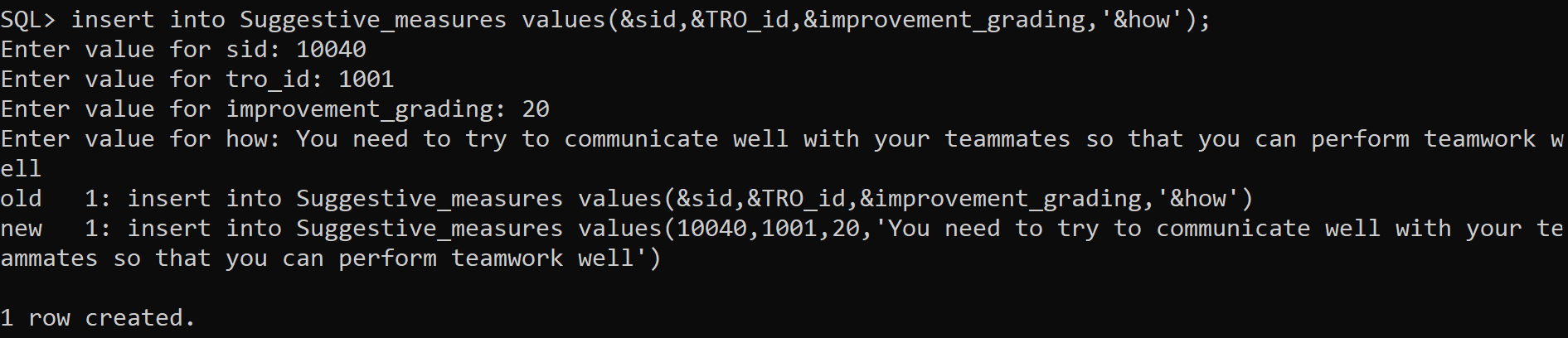


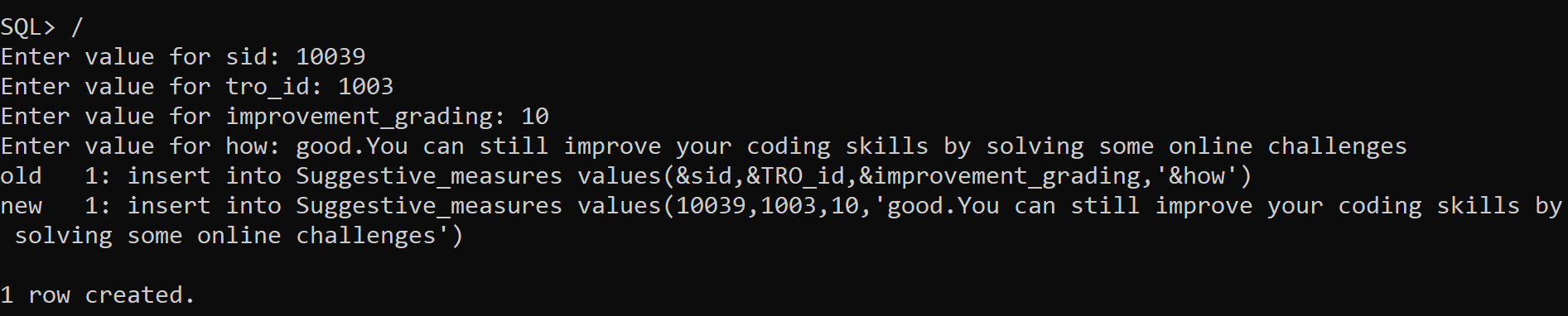


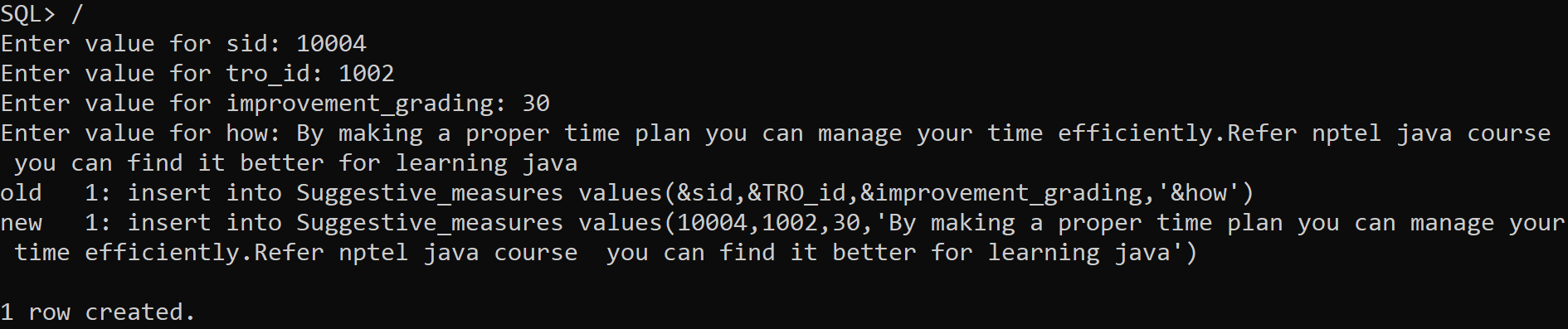


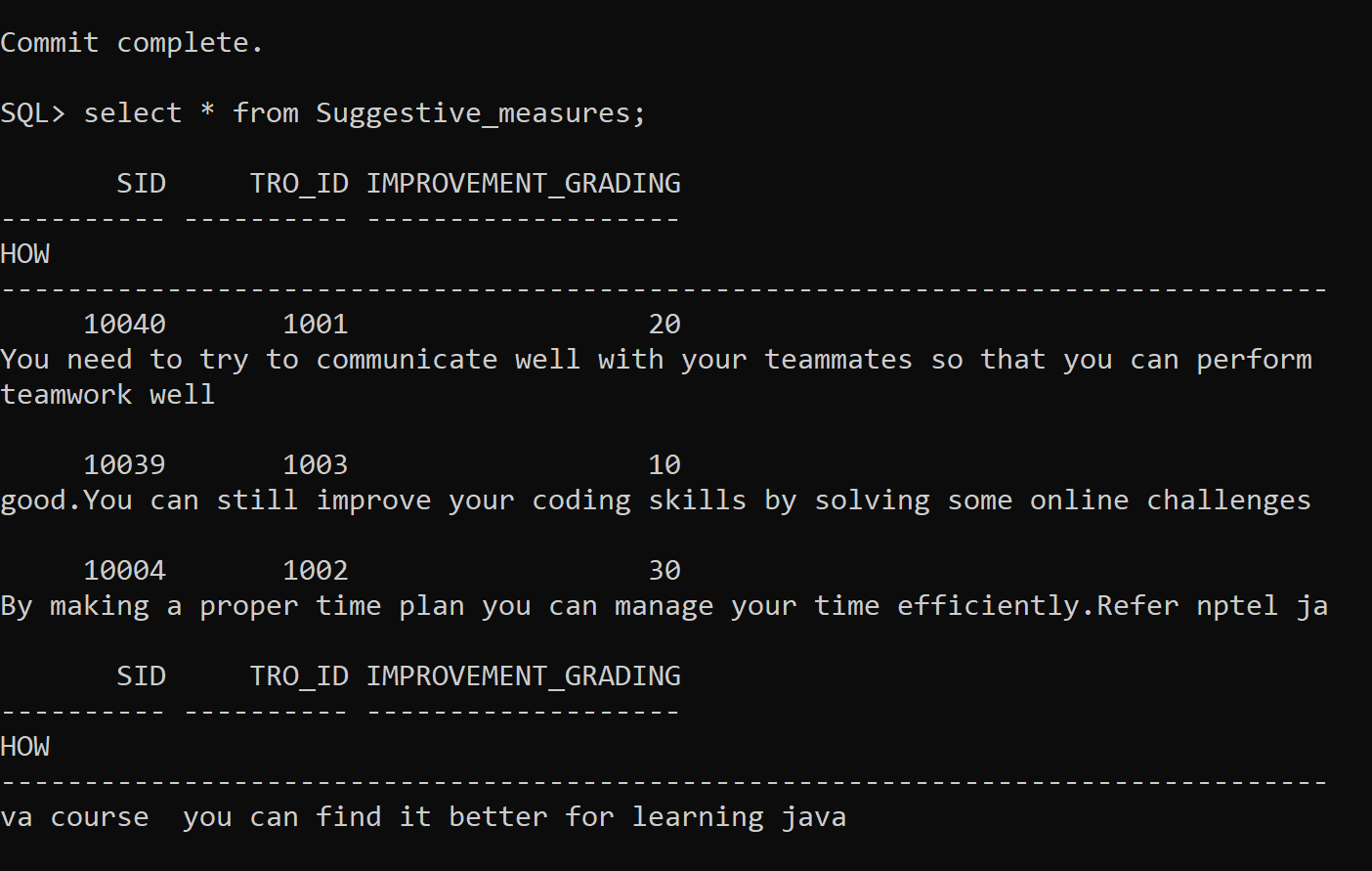
**5)Inserting values into Suggestive\_measures table:**

insert into Suggestive\_measures values(&sid,&tro\_id,&improvement\_grading'&how');









**ARCHITECTURE AND TECHNOLOGY USED:**

### SOFTWARE USED:

Java Eclipse, Oracle 11g Database, Java SE version 8, SQL Plus.

### Java SWING:

**Swing** is a GUI widget toolkit for Java. It is part of Oracle's Java Foundation Classes (JFC) – an API for providing a graphical user interface (GUI) for Java programs.

Swing was developed to provide a more sophisticated set of GUI components than the

earlier AWT. Swing provides a look and feel that emulates the look and feel of several platforms, and also supports a pluggable look and feel that allows applications to have a look and feel unrelated to the underlying platform. It has more powerful and flexible components than AWT. In addition to familiar components such as buttons, check boxes and labels, Swing provides several advanced components such as tabbed panel, scroll panes, trees, tables, and lists.

### SQL:

Structure Query Language (SQL) is a database query language used for storing and managing data in Relational DBMS. SQL was the first commercial language introduced for E.F Codd's **Relational** model of database. Today almost all RDBMS (MySql, Oracle, Infomix, Sybase, MS Access) use **SQL** as the standard database query language. SQL is used to perform all types of data operations in RDBMS.

### Java-SQL Connectivity using JDBC:

**Java Database Connectivity** (**JDBC**) is an application programming

interface (API) for the programming language Java, which defines how a client may access a database. It is a Java-based data access technology used for Java database connectivity. It is part of the Java Standard Edition platform,

from Oracle Corporation. It provides methods to query and update data in a database and is oriented towards relational databases.

The connection to the database can be performed using Java programming (JDBC API) as:

Graphical user interface, text, application, email

Description automatically generated

**IMPLEMENTATION:**

**HOMEPAGE:**

package Main;

import UI.StudentUI.StudentLoginUI;

import UI.TROUI.TROLoginUI;

public class HomePageUI extends javax.swing.JFrame {

public HomePageUI() {

initComponents();

}

@SuppressWarnings("unchecked")

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

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

teacherButton = new javax.swing.JButton();

studentButton = new javax.swing.JButton();

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

setTitle("Online adaptive assessment Feedback Form ");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/Main/image.jpg"))); // NOI18N

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 812, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 406, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 6, Short.MAX\_VALUE))

);

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

jLabel1.setFont(new java.awt.Font("Segoe UI Light", 1, 30)); // NOI18N

jLabel1.setText("LOGIN AS:");

teacherButton.setBackground(new java.awt.Color(242, 242, 242));

teacherButton.setFont(new java.awt.Font("SimSun", 1, 26)); // NOI18N

teacherButton.setText("TRO");

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

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

teacherButtonActionPerformed(evt);

}

});

studentButton.setBackground(new java.awt.Color(242, 242, 242));

studentButton.setFont(new java.awt.Font("SimSun", 1, 26)); // NOI18N

studentButton.setText("Student");

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

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

studentButtonActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(52, 52, 52)

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

.addComponent(studentButton)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 167, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(97, 97, 97)

.addComponent(teacherButton)))

.addContainerGap(116, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(43, 43, 43)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 51, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(44, 44, 44)

.addComponent(studentButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(65, 65, 65)

.addComponent(teacherButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, 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()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(50, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

pack();

}// </editor-fold>

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

new TROLoginUI().show();

dispose();

}

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

new StudentLoginUI().show();

dispose();

}

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

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

public void run() {

new HomePageUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel4;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JButton studentButton;

private javax.swing.JButton teacherButton;

// End of variables declaration

}

**LOGIN:**

**Student login:**

package UI.StudentUI;

import DBConnection.DBStudentConnect;

import javax.swing.JOptionPane;

import Main.HomePageUI;

public class StudentLoginUI extends javax.swing.JFrame {

public StudentLoginUI() {

initComponents();

}

@SuppressWarnings("unchecked")

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

private void initComponents() {

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

usernameTextField = new javax.swing.JTextField();

passwordTextField = new javax.swing.JPasswordField();

loginButton = new javax.swing.JButton();

goBackButton = new javax.swing.JButton();

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

setTitle("LoginPage");

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

jPanel2.setPreferredSize(new java.awt.Dimension(400, 540));

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

jLabel1.setText("STUDENT LOGIN");

usernameTextField.setBackground(new java.awt.Color(242, 242, 242));

usernameTextField.setFont(new java.awt.Font("SimSun", 1, 20)); // NOI18N

usernameTextField.setText("Username");

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

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

usernameTextFieldActionPerformed(evt);

}

});

passwordTextField.setBackground(new java.awt.Color(242, 242, 242));

passwordTextField.setFont(new java.awt.Font("SimSun", 0, 20)); // NOI18N

passwordTextField.setText("Password");

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

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

passwordTextFieldActionPerformed(evt);

}

});

loginButton.setBackground(new java.awt.Color(242, 242, 242));

loginButton.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

loginButton.setText("Login");

loginButton.setToolTipText("");

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

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

loginButtonActionPerformed(evt);

}

});

goBackButton.setBackground(new java.awt.Color(242, 242, 242));

goBackButton.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

goBackButton.setText("Go Back");

goBackButton.setToolTipText("");

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

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

goBackButtonActionPerformed(evt);

}

});

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(149, 149, 149)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 325, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(187, 187, 187)

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

.addComponent(usernameTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 200, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(passwordTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 200, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(119, Short.MAX\_VALUE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(49, 49, 49)

.addComponent(goBackButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(loginButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(61, 61, 61))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(43, 43, 43)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 64, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(54, 54, 54)

.addComponent(usernameTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(62, 62, 62)

.addComponent(passwordTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 106, Short.MAX\_VALUE)

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

.addComponent(loginButton)

.addComponent(goBackButton))

.addGap(92, 92, 92))

);

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 593, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 547, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

}

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

// TODO add your handling code here:

new HomePageUI().show();

dispose();

}

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

try

{

DBStudentConnect db =new DBStudentConnect();

db.connect();

String username = usernameTextField.getText();

if(db.verifyLogin(username,passwordTextField.getText()))

{

dispose();

new StudentUI(username).show();

}

else

{

usernameTextField.setText("");

passwordTextField.setText("");

JOptionPane.showMessageDialog(this,"Invalid UserID / Password","Error",JOptionPane.ERROR\_MESSAGE);

}

db.st.close();

db.conn.close();

}

catch(Exception e)

{

System.out.println(e);

}

}

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

});

}

private javax.swing.JButton goBackButton;

private javax.swing.JLabel jLabel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JButton loginButton;

private javax.swing.JPasswordField passwordTextField;

private javax.swing.JTextField usernameTextField;

}

**TROLOGIN:**

package UI.TROUI;

import Main.HomePageUI;

import javax.swing.JOptionPane;

import DBConnection.DBTROConnect;

import Main.HomePageUI;

public class TROLoginUI extends javax.swing.JFrame {

public TROLoginUI() {

initComponents();

}

@SuppressWarnings("unchecked")

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

private void initComponents() {

jPanel2 = new javax.swing.JPanel();

usernameTextField = new javax.swing.JTextField();

loginButton = new javax.swing.JButton();

backButton = new javax.swing.JButton();

passwordTextField = new javax.swing.JPasswordField();

jLabel1 = new javax.swing.JLabel();

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

setTitle("LoginPage");

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

usernameTextField.setFont(new java.awt.Font("SimSun", 1, 20)); // NOI18N

usernameTextField.setText("Username");

loginButton.setBackground(new java.awt.Color(242, 242, 242));

loginButton.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

loginButton.setText("Login");

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

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

loginButtonActionPerformed(evt);

}

});

backButton.setBackground(new java.awt.Color(242, 242, 242));

backButton.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

backButton.setText("Go Back");

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

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

backButtonActionPerformed(evt);

}

});

passwordTextField.setFont(new java.awt.Font("Segoe UI", 1, 20)); // NOI18N

passwordTextField.setText("daord");

jLabel1.setBackground(new java.awt.Color(204, 204, 204));

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

jLabel1.setText("TRO LOGIN");

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

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addContainerGap(146, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 314, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(75, 75, 75))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

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

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

.addComponent(passwordTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 197, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(usernameTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 197, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(164, 164, 164))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addGap(48, 48, 48)

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(loginButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(52, 52, 52))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(63, 63, 63)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 57, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(53, 53, 53)

.addComponent(usernameTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(71, 71, 71)

.addComponent(passwordTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(102, 102, 102)

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

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(loginButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(112, Short.MAX\_VALUE))

);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

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

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

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

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

new HomePageUI().show();

dispose();

}

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

// TODO add your handling code here:

try

{

DBTROConnect db =new DBTROConnect();

db.connect();

String username = usernameTextField.getText();

if(db.verifyLogin(username,passwordTextField.getText()))

{

dispose();

new TROUI(username).show();

}

else

{

usernameTextField.setText("");

passwordTextField.setText("");

JOptionPane.showMessageDialog(this,"Invalid UserID / Password","Error",JOptionPane.ERROR\_MESSAGE);

}

db.st.close();

db.conn.close();

}

catch(Exception e)

{

System.out.println(e);

}

}

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

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

public void run() {

new TROLoginUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton backButton;

private javax.swing.JLabel jLabel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JButton loginButton;

private javax.swing.JPasswordField passwordTextField;

private javax.swing.JTextField usernameTextField;

}

**STUDENT UI:**

package UI.StudentUI;

import DBConnection.DBStudentConnect;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class StudentUI extends javax.swing.JFrame {

public DBStudentConnect db = new DBStudentConnect();

public String username;

public int feedbacksCount;

public StudentUI(String username) {

this.username = username;

db.connect();

initComponents();

putStudentData();

putTableData();

}

@SuppressWarnings("unchecked")

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

private void initComponents() {

welcomeLabel = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

feedbackTable = new javax.swing.JTable();

viewButton = new javax.swing.JButton();

modifyButton = new javax.swing.JButton();

deleteButton = new javax.swing.JButton();

issueButton = new javax.swing.JButton();

counsellorLabel = new javax.swing.JLabel();

phnoLabel = new javax.swing.JLabel();

logOutButton = new javax.swing.JButton();

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

setTitle("Student Page");

setBackground(new java.awt.Color(153, 153, 255));

setFont(new java.awt.Font("Agency FB", 0, 24)); // NOI18N

setForeground(new java.awt.Color(0, 153, 153));

setResizable(false);

welcomeLabel.setFont(new java.awt.Font("Segoe UI", 0, 24)); // NOI18N

welcomeLabel.setText("Welcome");

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

jLabel2.setText("Your feedback");

feedbackTable.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 1, true));

feedbackTable.setFont(new java.awt.Font("SimSun", 0, 20)); // NOI18N

feedbackTable.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"S.No", "Feedback ID", "Status"

}

) {

Class[] types = new Class [] {

java.lang.String.class, java.lang.String.class, java.lang.String.class

};

boolean[] canEdit = new boolean [] {

false, false, false

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

feedbackTable.setGridColor(new java.awt.Color(0, 0, 0));

feedbackTable.setRequestFocusEnabled(false);

feedbackTable.setRowHeight(40);

feedbackTable.setRowMargin(10);

feedbackTable.setSelectionBackground(java.awt.SystemColor.activeCaption);

feedbackTable.setShowHorizontalLines(true);

feedbackTable.setShowVerticalLines(true);

feedbackTable.setSurrendersFocusOnKeystroke(true);

feedbackTable.getTableHeader().setReorderingAllowed(false);

jScrollPane1.setViewportView(feedbackTable);

if (feedbackTable.getColumnModel().getColumnCount() > 0) {

feedbackTable.getColumnModel().getColumn(0).setResizable(false);

feedbackTable.getColumnModel().getColumn(1).setResizable(false);

feedbackTable.getColumnModel().getColumn(2).setResizable(false);

feedbackTable.getColumnModel().getColumn(2).setHeaderValue("Status");

}

viewButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

viewButton.setText("View");

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

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

viewButtonActionPerformed(evt);

}

});

modifyButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

modifyButton.setText("Modify");

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

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

modifyButtonActionPerformed(evt);

}

});

deleteButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

deleteButton.setText("Delete");

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

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

deleteButtonActionPerformed(evt);

}

});

issueButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

issueButton.setText("New Feedback");

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

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

issueButtonActionPerformed(evt);

}

});

counsellorLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

counsellorLabel.setText("TRO:");

phnoLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

phnoLabel.setText("Phone Number: ");

logOutButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

logOutButton.setText("Log Out");

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

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

logOutButtonActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(126, 126, 126)

.addComponent(viewButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(155, 155, 155)

.addComponent(modifyButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(138, 138, 138)

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

.addComponent(phnoLabel, javax.swing.GroupLayout.DEFAULT\_SIZE, 327, Short.MAX\_VALUE)

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

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

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

.addComponent(logOutButton, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(deleteButton, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(100, 100, 100))

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(71, 71, 71)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 866, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2)

.addComponent(welcomeLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 433, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGap(383, 383, 383)

.addComponent(issueButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 204, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(43, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(34, 34, 34)

.addComponent(welcomeLabel)

.addGap(18, 18, 18)

.addComponent(jLabel2)

.addGap(26, 26, 26)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 128, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

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

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

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

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

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

.addGap(50, 50, 50)))

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

.addGap(18, 18, 18)

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

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

.addComponent(counsellorLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 39, Short.MAX\_VALUE)

.addComponent(phnoLabel)

.addGap(30, 30, 30))

);

pack();

}// </editor-fold>

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

int r = feedbackTable.getSelectedRow();

if(r<0)

JOptionPane.showMessageDialog(this,"Please select a row", "Notice", JOptionPane.INFORMATION\_MESSAGE);

else

{

String id =(String) feedbackTable.getValueAt(r, 1);

new ViewUI(id).show();

}

// TODO add your handling code here:

}

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

new NewIssueUI(username,this).show();

}

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

// TODO add your handling code here:

int r = feedbackTable.getSelectedRow();

if(r<0)

JOptionPane.showMessageDialog(this,"Please select a row", "Notice", JOptionPane.INFORMATION\_MESSAGE);

else

{

String msg = "Are you sure you want to modify this issue?";

int option = JOptionPane.showConfirmDialog(this,msg,"Modify",JOptionPane.YES\_NO\_OPTION);

if(option==0)

{

String id =(String) feedbackTable.getValueAt(r, 1);

new ModifyUI(id,this).show();

}

}

}

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

// TODO add your handling code here:

int r = feedbackTable.getSelectedRow();

if(r<0)

JOptionPane.showMessageDialog(this,"Please select a row", "Notice", JOptionPane.INFORMATION\_MESSAGE);

else

{

String status = (String)feedbackTable.getValueAt(r,2);

if(status.equals("Responded"))

{

JOptionPane.showMessageDialog(this,"You cannot delete a responded issue!","Error",JOptionPane.ERROR\_MESSAGE);

}

else

{

String msg = "Are you sure you want to delete this issue?";

int option = JOptionPane.showConfirmDialog(this,msg,"Delete",JOptionPane.YES\_NO\_OPTION);

if(option==0)

{

String id =(String) feedbackTable.getValueAt(r, 1);

db.deleteStudentIssue(id,username);

putTableData();

}

}

}

}

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

// TODO add your handling code here:

String msg = "This will take you to HomePage\nAre you sure?";

int option = JOptionPane.showConfirmDialog(this,msg,"LogOut",JOptionPane.YES\_NO\_OPTION);

if(option==0)

{

new Main.HomePageUI().show();

dispose();

}

}

final void putStudentData()

{

try

{

db.fetchStudentData(username);

welcomeLabel.setText("Welcome "+db.rs.getString(1)+" !");

counsellorLabel.setText("TRO: "+db.rs.getString(2));

phnoLabel.setText("Phone No: "+db.rs.getString(3));

}

catch(Exception e)

{

System.out.print("Error putData: "+e);

}

}

final void putTableData()

{

try

{

db.fetchStudentTableData(username);

DefaultTableModel model = (DefaultTableModel) feedbackTable.getModel();

model.setRowCount(0);

feedbacksCount = 1;

String feedbackid,status;

while(db.rs.next())

{

feedbackid = db.rs.getString(1);

status = db.rs.getString(2);

String rowData[] = {feedbacksCount+"",feedbackid,status};

model.addRow(rowData);

feedbacksCount++;

}

}

catch(Exception e)

{

System.out.println("Put table error: "+e);

}

}

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

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

public void run() {

new StudentUI("1602-20-737-039").setVisible(true);

}

});

}

private javax.swing.JLabel counsellorLabel;

private javax.swing.JButton deleteButton;

private javax.swing.JTable feedbackTable;

private javax.swing.JButton issueButton;

private javax.swing.JLabel jLabel2;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JButton logOutButton;

private javax.swing.JButton modifyButton;

private javax.swing.JLabel phnoLabel;

private javax.swing.JButton viewButton;

private javax.swing.JLabel welcomeLabel;

}

**TRO UI:**

package UI.TROUI;

import javax.swing.JOptionPane;

import DBConnection.DBTROConnect;

import UI.StudentUI.ModifyUI;

import UI.StudentUI.ViewUI;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.swing.JPanel;

import javax.swing.table.DefaultTableModel;

public class TROUI extends javax.swing.JFrame {

DBTROConnect db = new DBTROConnect();

String username;

public TROUI(String u) {

username = u;

db.connect();

initComponents();

putCounsellorData();

putTableData();

}

@SuppressWarnings("unchecked")

private void initComponents() {

jTabbedPane2 = new javax.swing.JTabbedPane();

jPanel11 = new javax.swing.JPanel();

welcomeLabel = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

jScrollPane11 = new javax.swing.JScrollPane();

feedbackTable = new javax.swing.JTable();

viewButton9 = new javax.swing.JButton();

respondButton8 = new javax.swing.JButton();

logoutButton8 = new javax.swing.JButton();

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

setTitle("Counsellor Page");

welcomeLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

welcomeLabel.setText("Welcome");

jLabel12.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel12.setText("Pending Issues :");

feedbackTable.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

feedbackTable.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"S.No", "Feedback ID", "Student Name", "Submitted on"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

feedbackTable.setRowHeight(33);

feedbackTable.setSelectionBackground(java.awt.SystemColor.textHighlight);

feedbackTable.setShowHorizontalLines(true);

feedbackTable.setShowVerticalLines(true);

feedbackTable.setSurrendersFocusOnKeystroke(true);

feedbackTable.getTableHeader().setReorderingAllowed(false);

jScrollPane11.setViewportView(feedbackTable);

if (feedbackTable.getColumnModel().getColumnCount() > 0) {

feedbackTable.getColumnModel().getColumn(0).setResizable(false);

feedbackTable.getColumnModel().getColumn(1).setResizable(false);

feedbackTable.getColumnModel().getColumn(2).setResizable(false);

feedbackTable.getColumnModel().getColumn(2).setPreferredWidth(100);

feedbackTable.getColumnModel().getColumn(3).setResizable(false);

}

viewButton9.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

viewButton9.setText("View");

viewButton9.addActionListener(new java.awt.event.ActionListener() {

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

viewButtonActionPerformed(evt);

}

});

respondButton8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

respondButton8.setText("Respond");

respondButton8.addActionListener(new java.awt.event.ActionListener() {

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

respondButtonActionPerformed(evt);

}

});

logoutButton8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

logoutButton8.setText("LogOut");

logoutButton8.addActionListener(new java.awt.event.ActionListener() {

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

logoutButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel11Layout = new javax.swing.GroupLayout(jPanel11);

jPanel11.setLayout(jPanel11Layout);

jPanel11Layout.setHorizontalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addGap(104, 104, 104)

.addComponent(viewButton9)

.addGap(104, 104, 104)

.addComponent(respondButton8)

.addGap(107, 107, 107)

.addComponent(logoutButton8)

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

.addGroup(jPanel11Layout.createSequentialGroup()

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(welcomeLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 368, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel12)))

.addGroup(jPanel11Layout.createSequentialGroup()

.addGap(33, 33, 33)

.addComponent(jScrollPane11, javax.swing.GroupLayout.PREFERRED\_SIZE, 722, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(77, Short.MAX\_VALUE))

);

jPanel11Layout.setVerticalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

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

.addComponent(welcomeLabel)

.addGap(29, 29, 29)

.addComponent(jLabel12)

.addGap(18, 18, 18)

.addComponent(jScrollPane11, javax.swing.GroupLayout.PREFERRED\_SIZE, 241, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(33, 33, 33)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(viewButton9)

.addComponent(respondButton8)

.addComponent(logoutButton8))

.addGap(81, 81, 81))

);

jTabbedPane2.addTab("Pending Issues", jPanel11);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jTabbedPane2, javax.swing.GroupLayout.Alignment.TRAILING)

);

layout.setVerticalGroup(

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

.addComponent(jTabbedPane2)

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

String msg = "This will take you to HomePage\nAre you sure?";

int option = JOptionPane.showConfirmDialog(this,msg,"LogOut",JOptionPane.YES\_NO\_OPTION);

if(option==0)

{

new Main.HomePageUI().show();

dispose();

}

}

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

// TODO add your handling code here:

int r = feedbackTable.getSelectedRow();

if(r<0)

JOptionPane.showMessageDialog(this,"Please select a row", "Notice", JOptionPane.INFORMATION\_MESSAGE);

else

{

String id =(String) feedbackTable.getValueAt(r, 1);

new ResponseUI(id,username,this).show();

}

}

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

// TODO add your handling code here:

int r = feedbackTable.getSelectedRow();

if(r<0)

JOptionPane.showMessageDialog(this,"Please select a row", "Notice", JOptionPane.INFORMATION\_MESSAGE);

else

{

String id =(String) feedbackTable.getValueAt(r, 1);

new ViewResponseUI(id).show();

feedbackTable.clearSelection();

}

}

void putCounsellorData()

{

try

{

db.fetchCounsellorData(username);

welcomeLabel.setText("Welcome "+db.rs.getString(1)+" !");

//issuesLabel.setText("Issues addressed : "+db.rs.getString(2));

}

catch(Exception e)

{

System.out.println(e);

}

}

void putTableData()

{

try

{

db.fetchTableData(username);

DefaultTableModel model1 = (DefaultTableModel) feedbackTable.getModel();

model1.setRowCount(0);

int count1 =1;//count2=1;

String id,name,title,status,time;

while(db.rs.next())

{

id = db.rs.getString(1);

name = db.rs.getString(2);

title = db.rs.getString(3);

status = db.rs.getString(4);

time = db.rs.getString(5);

System.out.println(time);

if(status.equals("Pending"))

{

String rowData[] = {count1+"",id,name,title,time};

model1.addRow(rowData);

count1++;

}

}

}

catch(Exception e)

{

System.out.println(e);

}

}

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

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

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

public void run() {

new TROUI("201").setVisible(true);

}

});

}

private javax.swing.JTable feedbackTable;

private javax.swing.JLabel jLabel12;

private javax.swing.JPanel jPanel11;

private javax.swing.JScrollPane jScrollPane11;

private javax.swing.JTabbedPane jTabbedPane2;

private javax.swing.JButton logoutButton8;

private javax.swing.JButton respondButton8;

private javax.swing.JButton viewButton9;

private javax.swing.JLabel welcomeLabel;

}

**DB CONNECTION:**

package DBConnection;

import java.sql.\*;

public class DBStudentConnect

{

public ResultSet rs;

public Statement st;

public Connection conn;

public void connect()

{

try

{

Class.forName("oracle.jdbc.driver.OracleDriver");

conn = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","shravani","shravani02");

st = conn.createStatement();

}

catch(Exception e)

{

System.out.println("Exception: "+e);

}

}

public boolean verifyLogin(String id,String pssw) throws SQLException

{

String q = "where id= '"+id+"' and password='"+pssw+"'";

rs = st.executeQuery("select \* from studentlogin "+q);

if(rs.next())

return true;

else

return false;

}

public void fetchStudentData(String username)

{

try

{

String query ="select student\_name,tro\_name,tro\_phone from student1 s,tro1 t where s.tro\_id = t.tro\_id and s.student\_id='"+username+"'";

rs = st.executeQuery(query);

rs.next();

}

catch(Exception e)

{

System.out.println("Error DB connect: "+e);

}

}

public void fetchStudentTableData(String username)

{

try

{

String query = "select i.feedback\_id,status from feedback1 i inner join suggestive\_measures1 s on i.feedback\_id=s.feedback\_id and i.student\_id = '"+username+"' order by 1";

rs = st.executeQuery(query);

}

catch (Exception e)

{

System.out.println("Fetch Student table error: "+e);

}

}

public void addIssue(String username,String title,String feedback,String date)

{

try

{

rs = st.executeQuery("select count(\*) from feedback1 where student\_id = '"+username+"'");

rs.next();

String id = "";

int i = 5;

while(i<username.length())

{

if(username.charAt(i)!='-')

id+=username.charAt(i);

i++;

}

id = id + (rs.getInt(1)+1)+"";

rs = st.executeQuery("select tro\_id from student1 where student\_id='"+username+"'");

rs.next();

String t\_id = rs.getString(1);

System.out.println(rs.getString(1));

String q = "('"+id+"','"+username+"','"+t\_id+"','"+feedback+"','Pending','"+date+"','"+title+"')";

st.executeQuery("insert into feedback1 values"+q);

q = "('"+id+"','"+username+"','"+t\_id+"','None')";

st.executeQuery("insert into suggestive\_measures1 values"+q);

q="update student1 set feedbacks\_submitted=feedbacks\_submitted+1 where student\_id='"+username+"'";

st.executeQuery(q);

}

catch(Exception e)

{

System.out.println(e);

}

}

public void deleteStudentIssue(String id,String username)

{

try

{

st.executeQuery("delete feedback1 where feedback\_id='"+id+"'");

st.executeQuery("delete suggestive\_measures1 where feedback\_id='"+id+"'");

st.executeQuery("update student1 set feedbacks\_submitted = feedbacks\_submitted-1 where student\_id='"+username+"'");

}

catch(Exception e)

{

System.out.println(e);

}

}

public void viewStudentIssue(String id)

{

try

{

rs = st.executeQuery("select i.feedback\_id,title,feedback,suggestions,status from feedback1 i inner join suggestive\_measures1 s on i.feedback\_id=s.feedback\_id where i.feedback\_id='"+id+"'");

rs.next();

}

catch(Exception e)

{

System.out.println(e);

}

}

public void updateStudentIssue(String id,String title,String desc,String time)

{

try

{

st.executeQuery("update feedback1 set feedback='"+desc+"', status='Pending',submission\_time='"+time+"', title='"+title+"' where feedback\_id='"+id+"'");

}

catch(Exception e)

{

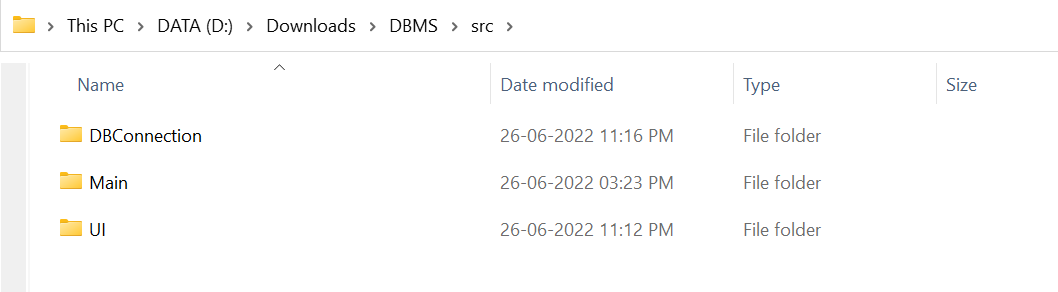
System.out.println(e);

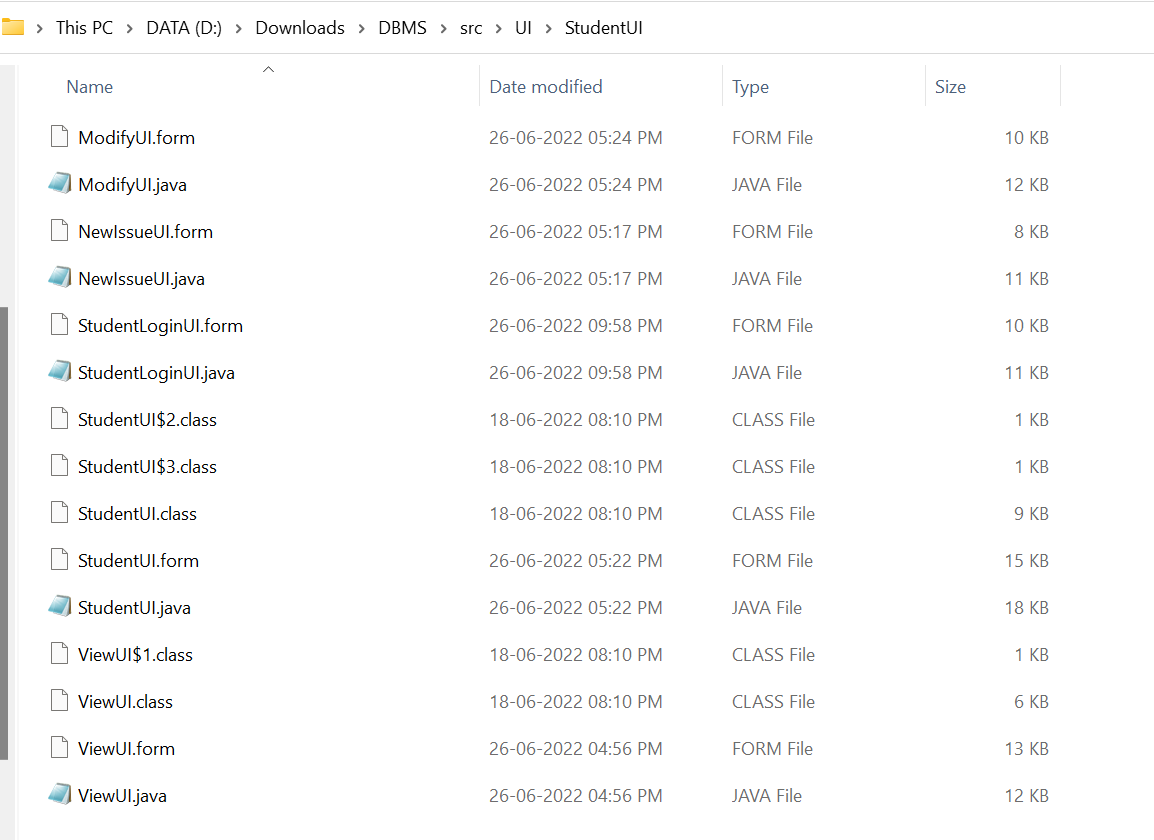
}

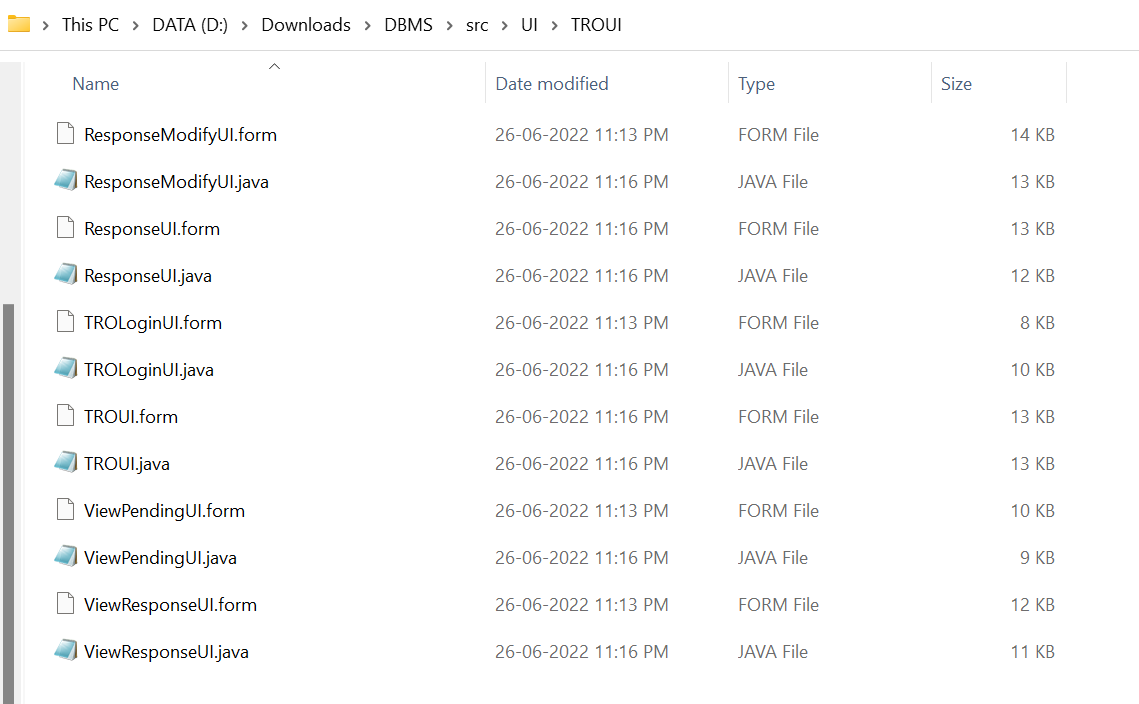
}

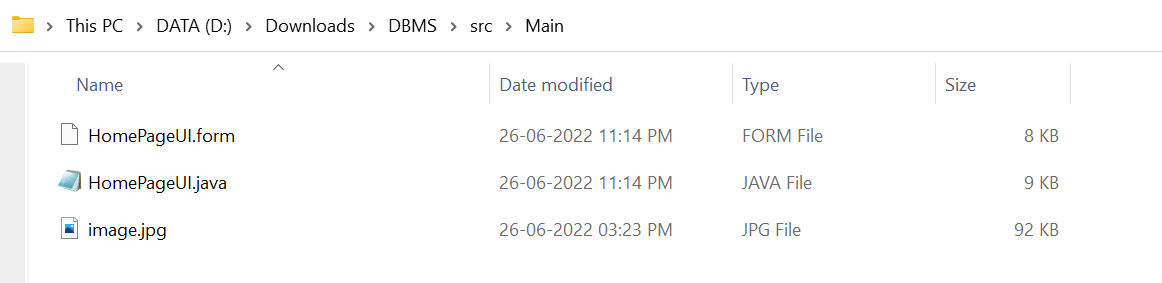
}

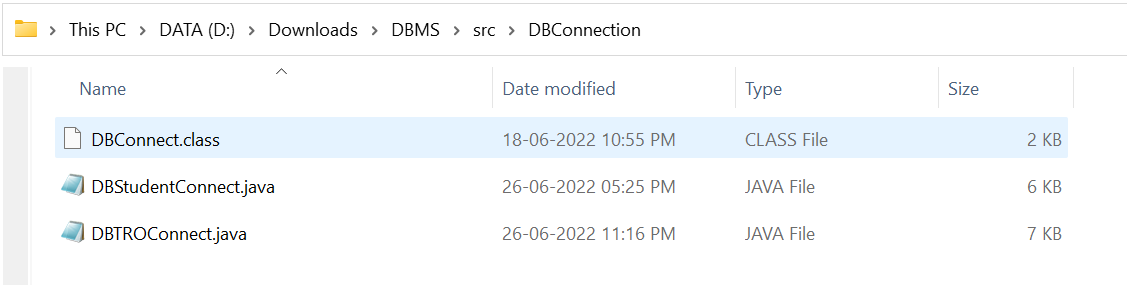
**GITHUB LINK AND FOLDER STRUCTURE:**

****

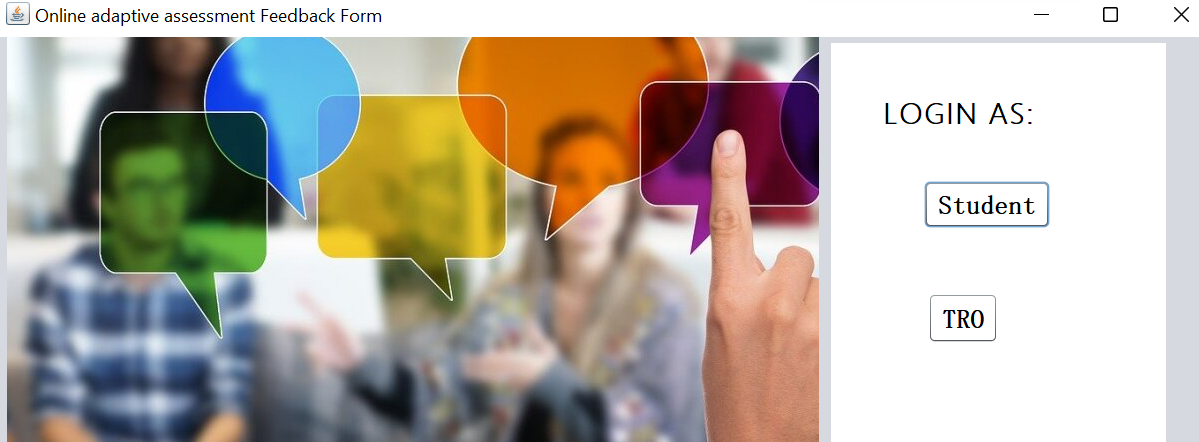
****

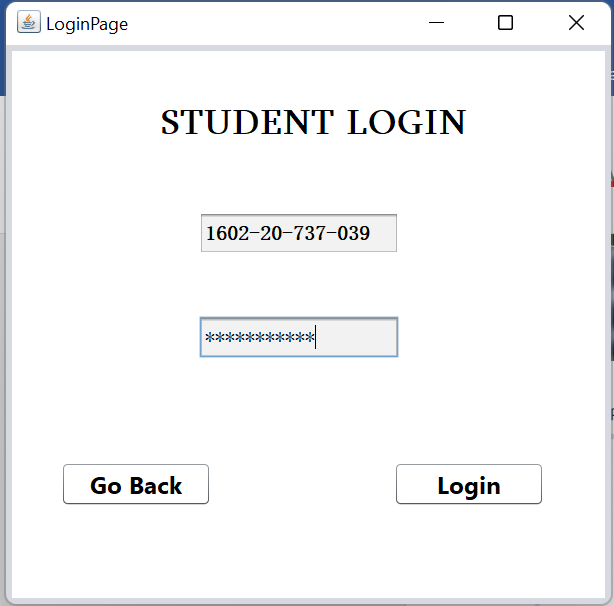
****

****

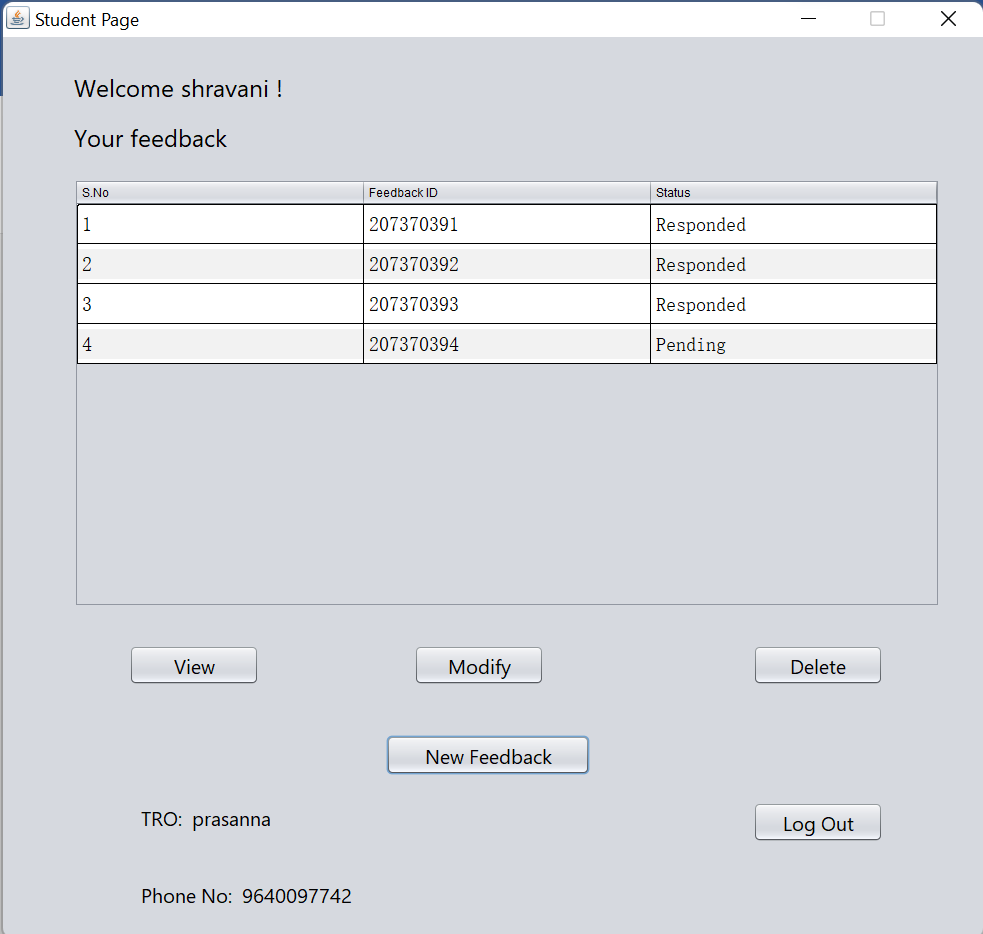
****

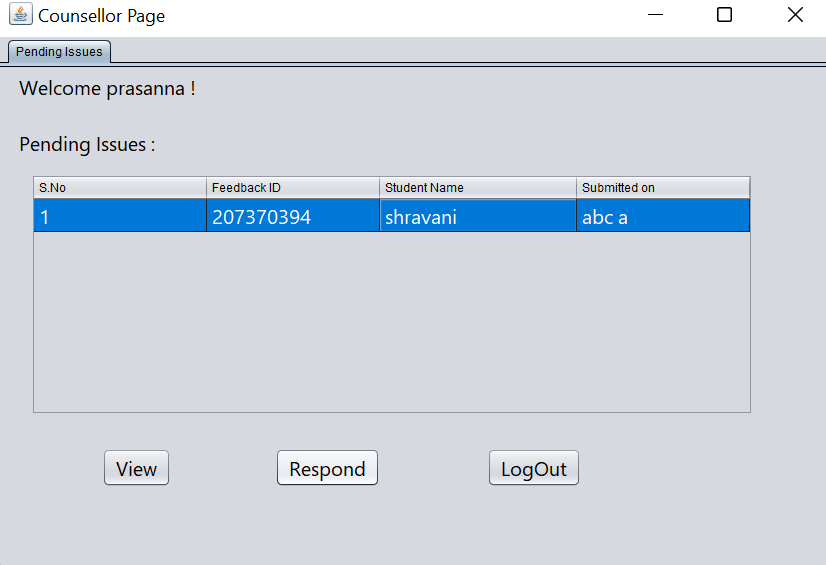
**TESTING:**

****

****

****

****

****

### Results:

I successfully completed this MINI PROJECT “Online Adaptive Assessment Feedback Form”.

### Discussion and Future work

While doing this project I got new ideas I understood how to work on projects. This project has been a huge learning curve for me as I have learnt many new technologies. I also learnt how to write queries efficiently and I have a thorough understanding of DBMS. A huge credit goes to my mentor **Ms.B.Leelavathy** whose guidance and motivation has lead me to keep improving the project.

Now to further extend this project I want to create Android app so that this will be very handy for both students and tros.

### References:

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* <https://docs.oracle.com/javase/7/docs/index.html>
* <https://www.javatpoint.com/dbms-tutorial>
* <http://www.sqlines.com/articles/java/sql_server_jdbc_connection>