GROUP ASSIGNMENT 4.

Module Title: **Programming languages and paradigms**

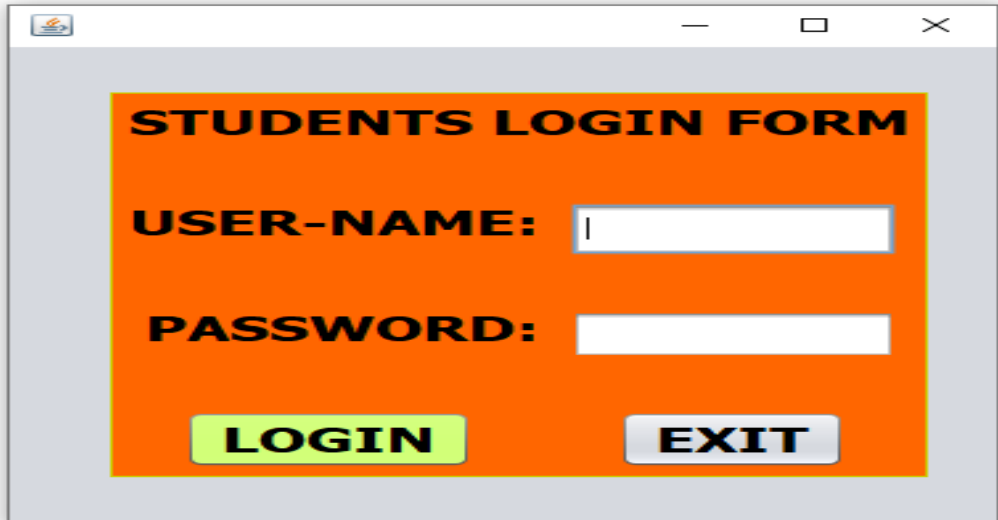**Date**: 24/07/2022   **Maximum Marks**: 20

INSTRUCTIONS:

- *This ASSSIGNMENT consists of one section with two questions*
- *Create a Project and name it"**Examination2022".** Put all your codes in this project folder*
- *This must be done in groups(at most 8 students per group)*
- *The presentation will be done on Thursday 28th-JULY-2022.*
- *Each member of the group must attend and present.*

Lecturer: RUTARINDWA J.Pierre

QUESTION 1.

a) Create the below interface, connect it to the MySQL database in order to login and when you login make sure you are directly taken to the below created interface(**QUESTION 2.**).   **[3 MKS]**

QUESTION 2.

a) Create a Java application as it appears on the below interface. Create the MySQL database named **(Examination2022)** and the table named **(StudentFees)** with nine fields as it appears on the interface below. Connect the interface with database. Use java programs to perform the following activities:

   i.   Program so that when you fill the form and Click on <mark>ANNUAL-FEES</mark> button, the system will calculate the total amount of money to be paid per year and

display the results on the specified Text field as it was indicated on the interface. **[3 mks]**

ii. Program so that when you fill the form and Click on *3 YEARS FEES* button, the system will calculate the total amount of money to be paid for the hole program (fees for three years) and display the results on the specified Text field as it was indicated on the interface. **[3 mks]**

iii. Use java codes to program so that when you click on *REGISTER FEES* button, all the data on the interface will be registered in the created database **(Examination2022)**. **[4 mks]**

iv. Use java codes to program so that when you click on *RETRIEVE FEES* button, all the data from only four columns in the database with be displayed on the table as it was indicated on the interface. **[3 mks]**

v. Using java codes, program so that when you click on *DELETE* button you will be able to delete all the data in the form. **[2 mks]**

vi. Using java codes, program so that when you click on *EXIT* button you will be able to exit or close the entire application interface. **[2 mks]**