

**School of Information Technology**

**ICT582 LAB DECLARATION**

**Surname:** Moktan **Given Names:** Ngawang Tashi

**Student Number:** 34959761

**Due Date:** Saturday, 23rd March 2024, 10 PM **Date Submitted:** Saturday, 23rd March 2024

**Lab Numbers:** 3 **Tutor's name**: A S M Hassan

**Your weekly lab should meet the following requirements. Please confirm this (by ticking boxes) before submitting your assignment.**

* The work included in this submission is completed independently by myself.
* I have read and understood ICT582 Lab Instructions.
* **This submission is compliant to ICT582 Lab Instructions.**
* I have kept another copy of this submission and associated programs and files in a safe place.
* I confirm that the work included in this submission is my own independent work.
* The test evidence for each exercise (including copies of terminal outputs or screenshots) in this submission is provided in the following pages of this document.

**Please make your declaration for each question or exercise in each weekly lab by writing YES in the last column if the question or exercise is fully completed and all relevant files for the question are included in this submission. Otherwise, write NO.**

|  |  |  |
| --- | --- | --- |
| **Lab Number** | **Question/Exercise Number** | **Fully Completed (Yes/No)** |
| 3 | 2 | Yes |
| 3 | 3 | Yes |
| 3 | 5 | Yes |

Test evidence of the exercises are in the following pages

**Test Evidence for the Exercises**

**Exercise 2:** The python program file ex2.py continuously read in the numbers and display the largest number when the user terminates the program by typing ‘stop’. In the early stage of program, the largest number is assigned to the variable float(‘-Infinity’) to ensure any number input by the user is largest. Here, the while loop is used to iterate the program until the user terminates the program. The program also checks the user input and asked the user to re enter the data if the input is not a number. If the user input is number, then the program displays the largest number in three place decimal value.

Program:

A screenshot of a computer

Description automatically generated

Output:

A screenshot of a computer

Description automatically generated

**Exercise 3:** The python program file ex03.py reads the series of words from the user and then display the whether the input strings contain the specific search word. The program use the inbuild python function (find()) to search the words in the given string. The program will keep on executing until the user terminates it by typing ‘quit’.

Program.

A screenshot of a computer

Description automatically generated

Output window.

A screenshot of a computer program

Description automatically generated

**Exercise 5:** The python program ex05.py reads the continuous series of number from user and calculate the grades in a unit. The grade is calculated as follows:

* HD – High Distinction: 80-100
* D – Distinction: 70-79
* C – Credit: 60-69
* P – PassL 50-59
* N – Fail: below 50

After the user end the program by typing ‘end’ the program will calculate the failure percentage and display the percentage of failed student in one place decimal value.

Program.

A screenshot of a computer program

Description automatically generated

Output.

A screenshot of a computer

Description automatically generated