CSD-4523: Python II

Assignment 1 – 5% ---

Q1: It carries 2 marks

Write a program python that ask the user to enter username and password, the program should do the following:

- Check if the username is equals to "Tim" and password is equals to "12345"
- Display appropriate feedback (e.g., correct username and password / incorrect user name or password)
- If the password is incorrect ask the user to try again and allow maximum of three attempts.

Q2: It carries 3 marks

a. Write a **Rectangle class** in Python language, allowing you to build a rectangle with **length** and **width** attributes.
b. Create a **Perimeter()** method to calculate the perimeter of the rectangle and a **Area()** method to calculate the area of the rectangle.
c. Create a method **display()** that display the length, width, perimeter and area of an object created using an instantiation on rectangle class.
d. Create a **Parallelepipede** child class **inheriting** from the **Rectangle class** and with a **height** attribute and another **Volume()** method to calculate the volume of the **Parallelepiped.**

- **Show the complete source code with the final output**
- **Add comments to your program**
- **Late Submissions will not be accepted/ Marked**