

SCIT, University of Wollongong
CSIT110/CSIT810
Autumn Session 2018

Assignment 8 (5%) due on Sunday 27 May 2018 23:59PM

Objectives

- Able to write clear code with comments and follow coding convention
- Able to get user input
- Able to use if-else statement
- Able to write your own functions
- Able to use list

Instructions

Put all your python code into a single file and submit it via the eLearning site (Assignment 8 Submission on Moodle).

You may be asked questions about your code in the lab. Your **marks will be deducted** if you could not answer the questions presented by the tutors.

Late submissions will be marked with a 20% marks deduction for one day late, including weekend. Submissions more than 3 days late will not be marked.

If you need an extension, please apply for an Academic Consideration through SOLS on or before the assignment due date.

Plagiarism is treated seriously. If we suspect any work is copied, all students involved are likely to receive zero for the entire assignment.

Assignment questions.

Write clear code with **comments** and follow **coding convention**. Comments should include your name, student number and subject code on top of your code.

It is important that in this assignment, you should write **your own functions** and use **list**.

Question 1. Write a program to ask the user to enter the assessment details and then prints out this information. The program should work **exactly** as in the following example. The text in **bold** indicates the user input.

```
Enter the number of assessments: 4
```

```
Assessment 1.
```

```
Enter assessment title: Group project
```

```
Enter assessment mark: 75
```

```
Assessment 2.
```

```
Enter assessment title: Programming assignment 1
```

```
Enter assessment mark: 5
```

```
Assessment 3.
```

```
Enter assessment title: Programming assignment 2
```

```
Enter assessment mark: 65
```

```
Assessment 4.
```

```
Enter assessment title: Final exam
```

```
Enter assessment mark: 90
```

```
-----  
Assessment details:  
-----
```

Group project	75
Programming assignment 1	5
Programming assignment 2	65
Final exam	90

Note that the assessment marks are integers in the range 0-100.

You must use **string format** to display the assessment details. The **length of each column** is up to your decision, however, the 1st column must have the **left alignment** and the 2nd column must have the **right alignment**.

Question 2. Write a program to ask the user enter a list and then display this list. The user should specify the **length** of the list and the **data type** of the elements of the list. The program should work **exactly** as in the following examples. The text in **bold** indicates the user input.

Example 1.

```
Enter the length of the list: 4
Choose the type of data (integer(I) / string(S) / decimal(D)): I
Enter the list element: 10
Enter the list element: 20
Enter the list element: 5
Enter the list element: 10
```

You have entered an integer list: 10, 20, 5, 10

Example 2.

```
Enter the length of the list: 2
Choose the type of data (integer(I) / string(S) / decimal(D)): S
Enter the list element: hi there
Enter the list element: uow
```

You have entered a string list: "hi there", "uow"

Example 3.

```
Enter the length of the list: 1
Choose the type of data (integer(I) / string(S) / decimal(D)): D
Enter the list element: 1.7
```

You have entered a decimal list: 1.7

END OF THE ASSIGNMENT