SCIT, University of Wollongong
CSIT110/CSIT810
Autumn Session 2018

Assignment 2 (5%) due on **Sunday 25 March 2018 23:59PM**

Objectives

- Able to write clear code with comments and follow coding convention
- Able to use escape sequences
- Able to use string format
- Able to use output alignment

Instructions

Put all your python code into a single file and submit it via the eLearning site (Assignment 2 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.

Question 1. Use the *print* function to write code that produces the following exact output

```
#!/usr/bin/python

var1 = 'Hello World!'
var2 = "Python Programming"

print("var1[0]: \n", var1[0])
print("var2[1:5]: \t", var2[1:5])
```

Question 2. Use **appropriate variables** and **string format** to write code that produces the following output:

```
Model        Price    Core/Threads         GPU    Release
i7-8700K      $359        6/12         UHD 630     1/2017
i7-8700       $303        6/12         UHD 630     3/2017
i7-8600K      $257         6/6         UHD 630     2/2017
i7-8400       $182         6/6         UHD 630     4/2017
i7-8350K      $168         4/4         UHD 630    12/2017
i7-8100       $117         4/4         UHD 630     1/2018
```

Note that: the **length of each column** is up to your decision, however, the program has to produce the **exact alignment** as above.

Question 3. Use **appropriate variables** to write code that produces the following output:

```
To work out your BMI:

Divide your weight in kilograms (kg) by your height in metres (m)
Then divide the answer by your height again to get your BMI.

For example:
Your age is 24.
If you weigh 70kg and you're 1.75m tall, divide 70 by 1.75 - the
answer is 40.0.
Then divide 40.0 by 1.75 - the answer is 22.857142857142858.
Your BMI is 22.857142857142858kg per square meter.
```

a) Write a program that produces the above output using **string concatenation/addition**.
b) Write a program that produces the same output using **string format**

Note that:

- You should assign **suitable variables** for your age, height, weight, etc...

END OF THE ASSIGNMENT