**IS201 Fundamentals of Computing**

**PE05 Functions**

School of Technology & Computing (STC) @City University of Seattle (CityU)



**Before You Start**

* If you have questions about the lab requirements, please ask a TA to clarify for you.
* If you are not sure what to do:
  1. Consult the resources listed below.
  2. If you cannot solve the problem after a few tries, ask a TA for help.

**Lab Tasks**

* Write Python programs to complete the given task

1) Write a function called make\_shirt() that accepts a size and the text of a message that should be printed on the shirt. The function should print a sentence summarizing the size of the shirt and the message printed on it.

Call the function once using positional arguments to make a shirt. Call the function a second time using keyword arguments.

2) Modify the make\_shirt() function so that shirts are large by default with a message that reads I love Python. Make a large shirt and a medium shirt with the default message, and a shirt of any size with a different message.

3) Write a function called describe\_city() that accepts the name of a city and its country. The function should print a simple sentence, such as Reykjavik is in Iceland. Give the parameter for the country a default value. Call your function for three different cities, at least one of which is not in the default country.

4) Make a list containing a series of short text messages. Pass the list to a function called show\_messages(), which prints each text message.

5) Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.

Sample String : 'The quick Brow Fox'  
Expected Output :  
No. of Upper case characters : 3  
No. of Lower case Characters : 12