# Python Fundamentals:

For this activity you will need to do the following…

You will develop a simple intake program. The goal of the program is to provide system arguments for various flavors of ice cream. You are then to develop code which will display the inventory of ice-cream to the user so they can select. You’ll also need to test if their selection is a part of the inventory and determine if their selection is valid or not valid.

For this assignment, I have provided some of the code you will need to start off with. The initial code is set in bold. The part you will need to develop is in regular font. Copy and paste both the bold and regular text into a text file and save it as a Module3.py file. Your goal is to develop the regular text area using a while statement which will provide the validation testing.

**import sys #importing the sys function**

**flavors = sys.argv[1:] #establishing the flavors list from the system**

**flavors = [element.upper() for element in flavors] #parsing the inputs of flavors into upper case for comparison**

**print(f"These are the flavor's of ice-cream we have to offer {flavors}") #displaying the preloaded ice cream flavors**

**place\_order = True #setting the indexing variable to True to use within While loop**

**while place\_order == True: #starting execution of while loop**

#take input from user for their name

#take input from user of their choice of ice cream

#convers the string of ice cream to upper case for comparison later

#develop an if statement which will begin by searching for the user’s choice of ice cream within the flavors list and determine if there is a match

#if there is a match display “your order will be right up!” and set the place\_order flag to False

#if there is not a match, display the list of options again and let the user know to try one more time

Make sure to include the following criteria…

1. Import an image file of a working Flowchart:
2. Provide the Pseudocode based on your flowchart:
3. Include a working script and save it as module2.py and upload it separately to Moodle from this Word document. Your code should include comments that help describe what is happening within your code.