Keith Yrisarri Stateson

COMSC 140 Python

Program Documentation for Midterm 2 Q3 Bubble Sort

**Program is NOT COMPLETE**

1/ Link  
<https://github.com/DVC-COMSC/midterm-2-question-3-enduringwriter/blob/main/main.py>

2/ Program Purpose  
This program sorts a list of numbers using the bubble sort algorithm composed of two functions.

Assumption: I don’t know. The instructions for Question 3 could be improved.

3/ Input/Output Description  
Input: List of integers.  
Output: Sorted list of integers passed through bubblesort algorithm.

4/ Explanation of All Variables  
number = a list of integers

i = iteration to compare adjacent numbers

5/ Flow Chart  
Start > Input list of numbers ??? from user or assertion – I don’t know > Define bubblesort function to swap adjacent elements if left is greater than right > Define bubble function to call bubblesort according to the length of the number list and iterate the list using yield > Print sorted list > End.

6/ Lesson Learned  
Creating functions, calling a function within a function, comparing numbers using loop and conditions, and yield/generator.

7/ Errors

Missing input. Missing ‘=’ in conditional operator ‘= =’. Misspelled bubblesort call.