ENG-101 Intro Computing Engineers

Due: 1 September 2021 at the start of class

Question 1 (10 Points)

Write a well-documented Python Program *hmwk1Q1.py* that asks the user for the number of elements in a list, then asks the user for the elements in the list. The program should swap the first and last element of the list and display the newly-formed list.

Grading 2 points for the well-documented program submitted to *hmwk1Q1.py*. 8 points for a correct solution.

Question 2 (10 Points)

Write a well-documented Python Program *hmwk1Q2.py* that asks the user for the number of elements in a list, then asks the user for the elements in the list. The program takes a list and removes the duplicate items from the list. Finally, the program displays the new list.

Grading 2 points for the well-documented program submitted to *hmwk1Q2.py*. 8 points for a correct solution.

Question 3 (10 Points)

Write a well-documented Python Program *hmwk1Q3.py* that asks the user for the number of elements in a list, then asks the user for the elements in the list. The program asks the user for a number of elements for another list, then again asks the user for the elements. The program merges the lists, sorts the merged list, and displays the merged list.

Grading 2 points for the well-documented program submitted to *hmwk1Q3.py*. 8 points for a correct solution.

Question 4 (10 Points)

Write a well-documented Python Program *hmwk1Q4.py* that asks the user for the number of elements in a list, then asks the user for the elements in the list. The program takes a list and prints the second largest number in the list.

Grading 2 points for the well-documented program submitted to *hmwk1Q4.py*. 8 points for a correct solution.

Question 5 (10 Points)

Write a well-documented Python Program *hmwk1Q5.py* that asks the user for the number of elements in a list, then asks the user for the elements in the list. The program finds the average of the elements in the list.

Grading 2 points for the well-documented program submitted to *hmwk1Q5.py*. 8 points for a correct solution.