**Name: Session:**

**Programming I**

**Lab Exercise 10.27.2021**

In this exercise, you will get some practice at developing algorithms involving the processing of lists.

1. Write a function sumWithoutSmallest that computes the sum of a list of values, except for the smallest one, in a single loop. In the loop, update the sum and the smallest value. After the loop, return the difference.
2. Write a function removeMin that removes the minimum value from a list without using the min function or remove method.
3. Compute the *alternating sum* of all elements in a list. For example, if your program

reads the input

1 4 9 16 9 7 4 9 11

then it computes

1 – 4 + 9 – 16 + 9 – 7 + 4 – 9 + 11 = –2

1. Write a function that reverses the sequence of elements in a list. For example, if you call the function with the list

1 4 9 16 9 7 4 9 11

then the list is changed to

11 9 4 7 9 16 9 4 1

Note: you must change the list – not make a new list.

Submit your completed programs.