Test Discussion

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Testing Overview

To test my program, I will be using two sets of values.

The first set will be [8, 10, 10, 10, 11, 14]. The computation results should be:

Insert: All values are inserted into the array.

Sum: 63

Average: 10.5

Min: 8

Median: 10 and 10

Delete: All 10's are deleted from the array.

The second set will be [1, 5, 9, 4, 2]. The computation results should be:

Insert: All values are inserted into the array.

Sum: 21

Average: 4.2

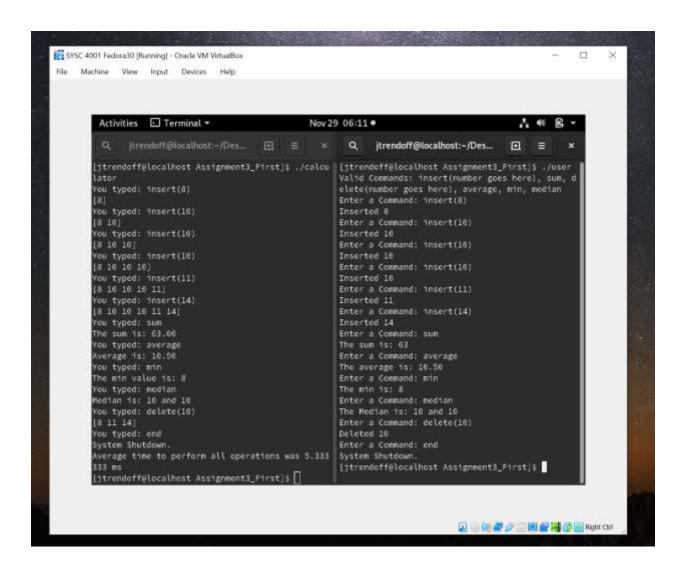
Min: 1

Median: 4

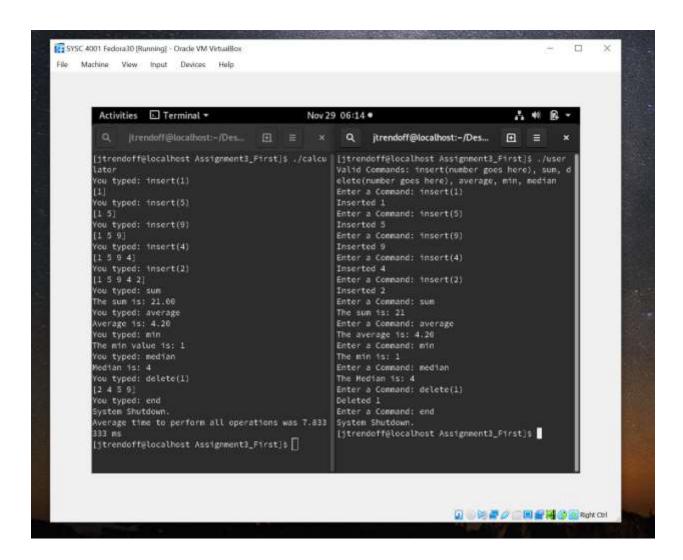
Delete: The 1 will be deleted.

Please note that, as shown in the pictures, these tests were successfully run on the lab machine.

Test Results of Set 1



Test Results of Set 2



Conclusion

As you can see from the test results, the program works as intended. You may notice that the list is sorted after the call to median, that is due to the fact the median operator sorts the list first before calculating the median. However, this does not affect the other operations and, therefore, should not be a worry.