Description:

The code was written in Codelite with the default layout. The program was tested by running it several times using different values for the expected results. I also did some light online research about how constructors in C++ are treated.

The given header file is imported into the .cpp file with the main method. If else statements are used to determine what the largest and smallest numbers in the given sequence. They are updated as each value is entered. Counters are incremented to determine how many elements there are. All of the values are added in a total to later get the mean. Each function is implemented to get the respective results.

Output Example:

There are 3 elements in the sequence.

The average of all the numbers in the sequence is 98.6

The sum of all the numbers in the sequence is 295.8

The smallest number in the sequence is 98.2

The largest number in the sequence is 99

Time elapsed: 000:00:094

Press any key to continue