

Assignment 3a Project Plan

Testing Plan

Description of Each Test	Expected Results
User inputs 4 integers: -4, 105, 2, -7	Min: -7 Max: 105
User inputs 1 integer only: -8	Min: -8 Max: -8
User inputs 1 integer only: 7	Min: 7 Max: 7
User inputs 2 integers: -5, 5	Min: -5 Max: 5
User inputs 2 integers: -700, -15	Min: -700 Max: -15
User inputs 2 integers: 700, 15	Min: 15 Max: 700
User inputs 4 integers: -4, -105, -2, -7	Min: -105 Max: -2
User inputs 4 integers: 4, 105, 2, 7	Min: 2, Max: 105
User inputs 5 integers: 1, 2, 0, 4, 5	Min: 0 Max: 5
User inputs 5 integers: -1, -2, 0, -4, -5	Min: -5 Max: 0
User inputs 2 integers: 0, 0	Min: 0 Max: 0

Design

The following pseudocode describes the flow of the code from asking for user input to comparison to outputting final max and min values.

Pseudocode:

Get number of integers user wants to enter.

Prompt user to enter desired number of integers.

if user only wants to enter 1 integer,

 Assign the input to both min and max.

else

 counter should be set to the number of integers user wants to input (other than 1).

 while counter is less than or equal to desired number:

Get first input and store it as a temp value.

If temp is larger than maximum value,

Assign it to max.

else

Assign it to min.

counter will increment by 1 to move on to the next user-entered value.

When all the comparisons have been completed:

Print min value.

Print max value.