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\*\* Description: This document includes a testing plan and pseudocode design for a program which outputs the minimum and maximum of any number of user-entered integers.

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Testing Plan:

|  |  |
| --- | --- |
| **Input** | **Expected Output** |
| User enters 1 integer  Integers entered: 0 | Min: 0  Max: 0 |
| User enters 1 integer  Integers entered: 9999 | Min: 9999  Max: 9999 |
| User enters 5 integers  Integers entered: 1, 2, 3, 4, 5 | Min: 1  Max: 5 |
| User enters 5 integers  Integers entered: -1, -2 -3 -4 -5 | Min: -5  Max: -1 |
| User enters 1 integer  Integers entered: -9999 | Min: -9999  Max: -9999 |
| User enters 15 integer  Integers entered: -15, 1, 0, 987, 351, -8632, 3, -15, 9, 5, 5, -65, 123, 16, 9999 | Min: -8632  Max: 9999 |
| User enters 3 integers  Integers entered: 0, 0, 0 | Min: 0  Max: 0 |
| User enters 2 integers  Integers entered: 0, -15 | Min: -15  Max: 0 |

Pseudocode Design:

Ask user how many integers they will enter

Save entered number – 1 as loop counter

Prompt user to enter the specified number of integers

For the first integer entered, initialize *min* and *max* and assign them both the value of the first integer entered

For each subsequent integer entered, compare it to both *min* and *max*.

If its value is greater than *max*, save it as *max*.

If its value is less than *min*, save it as *min*.

Repeat preceding step for each integer entered (or number of times specified by loop counter)

Output the value of *min* and *max*