Project Plan for Project 3a

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Testing Plan

Description	Expected Result
Number of Integers: 1 Value: 1	Minimum: 1 Maximum: 1
Number of Integers: 3 Values: 1, 2, 3	Minimum: 1 Maximum: 3
Number of Integers: 3 Values: 5.5, 5.5, 5.5	Minimum: 5.5 Maximum: 5.5
Number of Integers: 4 Values: -1, 1, -1, 1	Minimum: -1 Maximum: 1
Number of Integers: 1 Value: -98.7	Minimum: -98.7 Maximum: -98.7
Number of Integers: 2 Values: -48842, -1	Minimum: -48842 Maximum: -1
Number of Integers: 6 Values: 0, 0, 0, 0, -1, 0	Minimum: -1 Maximum: 0

Design

Announce "How many integers would you like to enter?"

Extract the expected number of integers from user.

Announce "Please enter [expected number of integers] integers."

Assume first input is smallest integer.

Assume first input is largest integer.

For (expected number of integers - 1) iterations:

    Extract new integer from user.

    If new integer is smaller than previous smallest integer:

        Update smallest integer.

    If new integer is larger than previous largest integer:

        Update largest integer.

Announce "min: [smallest integer]"

Announce "max: [largest integer]"