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# Description: Project 3a Min-Max Calculation Program

- 1. Prompts the user to enter an amount of integers of size **n**
- 2. Prompts the user to enter **n** amount of integers
- 3. Prints out the minimum and maximum of all integers entered

Input	Output
User wants to enter 1 positive integer:	Min: 1
User enters:	Max: 1
1	
User wants to enter 1 negative integer:	Min: -1
User enters:	Max: -1
-1	
User wants to enter: 0	ERROR message
	number of integers desired must be >= 1
User wants to enter 4 positive integers in	Min: 1
ascending order:	Max: 4
1, 2, 3, 4	
User wants to enter 4 positive integers in	Min: 1
descending order:	Max: 4
4, 3, 2, 1	
User wants to enter 4 positive integers in random	Min: 1
order:	Max: 4
3, 1, 2, 4	
User wants to enter 4 positive and negative	Min: -4
integers in ascending order:	Max: 3
1, -2, 3, -4	
User wants to enter 3 integers where 2 are the	Min: 0
same and positive:	Max: 3
0, 3, 3	
User wants to enter 3 integers where 2 are the	Min: -3
same and negative:	Max: 0
0, -3, -3	
User wants to enter 2 integers where first and	Min:
second integers are immensely small and	-10000000000000000000000000000000000000
immensely big:	Max:
-10000000000000000000000000000000000000	100000000000000000000000000000000000000
100000000000000000000000000000000000000	
User wants to enter anything other than an	ERROR message
integer for first or second prompt:	Invalid literal for int() with base 10

Pseudocode:

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

Save integer casted input to variable called n

If n is less than or equal to 0:

Print "Please start the program again and enter an integer greater or equal to 1."

Else:

Print "Please enter", n, "integers."

Save integer casted input to variable called minimum

Declare variable maximum and set it equal to minimum

Loop once for each element in the sequence from 1 to n (inclusive)

Save integer casted input to a variable called current

if current is greater than maximum:

maximum = current

else if current is less than minimum:

minimum = current

Print **minimum** 

Print maximum