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Description: Testing plan and Psuedocode for Project 3a

Description of what the program should do:

Write a program that asks the user how many integers they would like to enter. You can assume that this initial input will be an integer ≥ 1 . The program will then prompt the user to enter that many integers. After all the numbers have been entered, the program should display the largest and smallest of those numbers (no, you cannot use lists, or any other material we haven't covered). Your code should work correctly no matter what integers the user enters.

When you run your program it should match the following format:

How many integers would you like to enter?

4

Please enter 4 integers.

-4

105

2

-7

min: -7

max: 105

Testing Plan:

Description of each Test	Expected Outcome(s)
User enters: 1	min: 1 max: 1
User enters a string.	error
User enters 2 for the # of integers but are the same value. For example they enter the two and then 2, 2	min: 2 max: 2
User enters 0	error
User enters a range from a negative to positive number	min: negative # max: largest positive #

Pseudocode:

- Ask the user for the number of integers they would like to enter.
number_of_integers
- Initialize the minimum value and maximum value variables, set their values equal to 0
min equals 0
max equals 0
- create a for loop that will loop through the range 1 to number_of_integers
- for every number within that loop range, including the final number, ask user to input an integer
- check if the number is the first that has been entered.
- If it is, set the min values and max values equal to it
- otherwise, check if current_number < min and if current_number > max
- if so update the min/max value
- Lastly, have the program print the minimum values and maximum values.
print "min: #"
print "max; #"