

CS161 Week3 Project Plan Part a

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3A. Write a program that asks the user how many integers they would like to enter. You can assume they will enter a number ≥ 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.

Testing Cases

Input	Output
1, 2, 3, 4	min:1, max:4
999, 1, -1223231231, 999, -122323123	min: -122323123, max: 999
5668, 5668, 5668	min: 5668, max: 5668
-1001, -1, 0, - 506	min: -1001, max: 0
0	min: 0, max: 0

Pseudocode:

Ask the user how many integers he/she wants to enter.
Initialize an variable called *InputNum* to store this value.

Initialize two variables called *minNum* and *maxNum*.
Initialize a variable called *num*.

Ask the user to enter *InputNum* number of integers.
Store the first input to *num*.
Set both *minNum* and *maxNum* to the value of *num*.

```
for from zero to InputNum - 1 do
  Reinitialize num to zero
  Store the input to num
  if num < minNum then
    Set minNum to num
  else if num > maxNum then
    Set maxNum to num
  end if
end for
```

Display the variable *minNum* and *maxNum* to the user.