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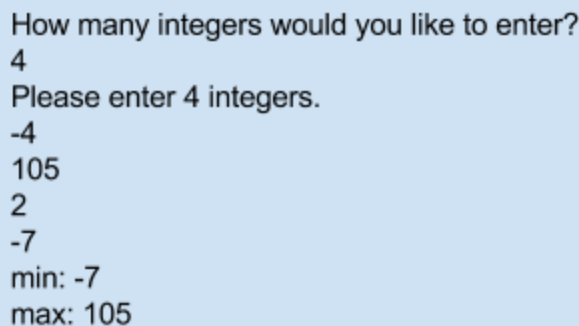
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Introduction to Computer Science 1

Project 3A Project Plan

Project 3.a Description

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 (no, you cannot use arrays, or any other material we haven't covered). 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
```

The file must be named: **minmax.cpp**.

Project 3A Design Pseudocode

Initialize variable *minValue* to zero

Initialize variable *maxValue* to zero

Prompt user to enter an integer which is the number of total integers the user will enter

Initialize *entries* to the user-entered integer

Initialize *counter* to zero

While *counter* is less than or equal to *entries*:

 Prompt user to enter integers in the amount of their set number of entries

 Initialize *entry* to input

 If *entry* is less than or equal to *minValue*:

 Set *minValue* to *entry*

 Set *counter* equal to *counter* + 1

 Else if *entry* is greater than or equal to *maxValue*:

 Set *maxValue* to *entry*

 Set *counter* equal to *counter* + 1

 Else not less than and not greater than

 Set *counter* equal to *counter* + 1

Output "min:" and *minValue*

Output "max:" and *maxValue*

Project 3A Testing Plan

Nota bene: All example testing plans begin assuming that the user has already been prompted "How many integers would you like to enter?"

Test Number	User Input Number of Integers	User Input	Output
Test 1	4	-7 5 3 -12	Min: -12 Max: 5
Test 2	3	-5 -3 -12	Min: -12 Max: -3
Test 3	3	7 5 2	Min: 2 Max: 7
Test 4	4	0 0 0 0	Min: 0 Max: 0
Test 5	4	7 7 7 7	Min: 7 Max: 7