HW1_P4 - Print a sequence of alphabets

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solution.cpp

```
/* Write your Analysis here

Given an input character to act as the maximum boundary, print the series
    of letters leading up to and including that letter, starting from
    the beginning of the alphabet.

    If the input character is lowercase, print the lowercase alphabet. If
    the input character is uppercase, print the uppercase alphabet.


*/
/* Write your Design here

1. Read in input character
2. Determine ASCII value of input char (known as the goal character)
3. If the letter is uppercase (from ASCII 65 to 90), go to step 4a.
    Otherwise, go to step 4b.
4a. Using a for loop, iterate through the ASCII values from 65 (A) to the
    goal char, printing each character as you go.
4b. Using a for loop, iterate through the ASCII values from 97 (a) to the
    goal char, printing each character as you go.

*/
// Write your code here
#include <stdio.h>
#include <iostream>
using namespace std;

int main(){
    char goal;
    cin >> goal;
```

```
    int goalAscii = (int) goal;

    // if input letter is uppercase
    if(goalAscii >= 65 && goalAscii <= 90){
        // A(65) to Z(90)
        for(int i = 65; i <= goalAscii; i++){
            // print characters from A to goal
            cout << char(i) << " ";
        }

    // if input letter is lowercase
    } else if(goalAscii >= 97 && goalAscii <= 122){
        // a(97) to z(122)
        for(int i = 97; i <= goalAscii; i++){
            // print characters from a to goal
            cout << char(i) << " ";
        }
    }
}
```

Name

Custom test case

Input

g

Output (Lines:2)

a b c d e f g

Expected Output (Lines:0)

Status

NA

Name

Custom test case

Input

H

Output (Lines:2)

A B C D E F G H

Expected Output (Lines:0)

Status
NA

Name
Custom test case

Input
y

Output (Lines:2)
a b c d e f g h i j k l m n o p q r s t u v w x y

Expected Output (Lines:0)

Status
NA

Name
Default

Input
d

Output (Lines:2)
a b c d

Expected Output (Lines:1)
a b c d

Status
Pass
