

# Staircase

Problem

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Staircase detail

This is a staircase of size ***n* = 4**:

```
#
##
###
####
```

Its base and height are both equal to ***n***. It is drawn using # symbols and spaces. The last line is not preceded by any spaces.

Write a program that prints a staircase of size ***n***.

Function Description

Complete the staircase function in the editor below.

staircase has the following parameter(s):

- int n: an integer

Print

Print a staircase as described above.

Input Format

A single integer, ***n***, denoting the size of the staircase.

Constraints

$0 < n \leq 100$ .

Output Format

Print a staircase of size ***n*** using # symbols and spaces.

**Note:** The last line must have **0** spaces in it.

Sample Input

6

Sample Output

```
#
##
###
####
#####
#####
```

Explanation

The staircase is right-aligned, composed of # symbols and spaces, and has a height and width of ***n* = 6**.

Author

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Difficulty

Easy

Max Score

10

Submitted By

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1

#include <bits/stdc++.h>

2

3

using namespace std;

4

5

string ltrim(const string &);

6

string rtrim(const string &);

7

8

/\*

9

\* Complete the 'staircase' function below.

10

\* The function accepts INTEGER n as parameter.

11

\*/

12

13

14

void staircase(int n) {

15

16

}

17

18

int main()

19

{

20

string n\_temp;

21

getline(cin, n\_temp);

22

23

int n = stoi(ltrim(rtrim(n\_temp)));

24

25

staircase(n);

26

27

return 0;

28

}

29

30

string ltrim(const string &str) {

31

string s(str);

32

33

s.erase(

34

s.begin(),

35

find\_if(s.begin(), s.end(), not1(ptr\_fun<int, int>(isspace)))

36

);

37

Line: 51 Col: 1

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