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# Staircase

by [vatsalchanana](#)[Problem](#)[Submissions](#)[Leaderboard](#)[Discussions](#)[Editorial](#)

Consider a staircase of size  $n = 4$ :

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

Observe that its base and height are both equal to  $n$ , and the image is drawn using `#` symbols and spaces. *The last line is not preceded by any spaces.*

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

## Input Format

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

**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  $n = 6$ .

**Submissions:** [350774](#)



**Max Score:** 10



**Difficulty:** Easy

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C++  

```
1▼ #include <bits/stdc++.h>
2
3 using namespace std;
4
5▼ void staircase(int n) {
6     // Complete this function
7 }
8
9▼ int main() {
10     int n;
11     cin >> n;
12     staircase(n);
13     return 0;
14 }
15
```

Line: 1 Col: 1

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