



# Staircase ☆

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## Problem

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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  $n$ .

### Function Description

Complete the staircase function in the editor below. It should print a staircase as described above.

staircase has the following parameter(s):

- $n$ : an integer

### 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  $n = 6$ .

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C



```

4  #include <stdbool.h>
5  #include <stddef.h>
6  #include <stdint.h>
7  #include <stdio.h>
8  #include <stdlib.h>
9  #include <string.h>
10
11 char* readline();
12
13 // Complete the staircase function below.
14 void staircase(int n) {
15     int t=n-1;
16     for(int i=0;i<n;i++)
17     {
18         for(int j=0;j<t;j++)
19             printf(" ");
20         t=t-1;
21         for(int j=0;j<=i;j++)
22             printf("#");
23
24         printf("\n");
25     }
26
27 }
28
29 int main()
30 {

```

Line: 14 Col: 1

[Upload Code as File](#)
☐ Test against custom input

Run Code

Submit Code

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94%

96/100



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✓ Test case 0

✓ Test case 1

✓ Test case 2

✓ Test case 3

✓ Test case 4

✓ Test case 5

✓ Test case 6

Compiler Message

**Success**

## Hidden Test Case

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