Staircase ★

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Problem Solving

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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 $n = 6$.

Change Theme Language Python 3

```
2
3   import math
4   import os
5   import random
6   import re
7   import sys
8
9   #
10  # Complete the 'staircase' function below.
11  #
12  # The function accepts INTEGER n as parameter.
13  #
14
15  def staircase(n):
16      # Write your code here
17      for i in range(n):
18          print(' '*(n-(i+1))+'#'*(i+1))
19
20  if __name__ == '__main__':
21      n = int(input().strip())
22
23      staircase(n)
24
```

Line: 24 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Input (stdin) Download

```
6
```

Your Output (stdout)

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

Expected Output Download