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Staircase

by [vatsalchanana](#)

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 .

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 $n = 6$.

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Max Score: 10

Difficulty: Easy

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C++14



```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int N;
6     cin>>N;
7     int endV=0;
8     for(int r=1; r<=N; ++r)
9     {
10         endV=N-r;
11         for(int c=1; c<=N;++c)
12         {
13             if(c<=endV) cout<<" ";
14             else cout<<"#";
15         }
16         cout<<endl;
17     }
18     return 0;
19 }
```

Line: 1 Col: 1

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