Staircase

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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 C++14

```cpp
#include <bits/stdc++.h>

using namespace std;

string ltrim(const string &);
string rtrim(const string &);

/*
 * Complete the 'staircase' function below.
 *
 * The function accepts INTEGER n as parameter.
 */

void staircase(int n) {

    for(int i = 1 ; i <= n; i++) {
        for(int j = 1 ; j <= n - i ; j++) {
            cout << " " ;
        }

        for(int j  =1 ; j <= i ; j++) {
            cout << "#" ;
        }

        cout << endl;
    }

}

int main()
{
    string n_temp;
    getline(cin, n_temp);

    int n = stoi(ltrim(rtrim(n_temp)));

    staircase(n);

    return 0;
}
```

Line: 64 Col: 1

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38% 619.33/850

Problem Solving ★★★★

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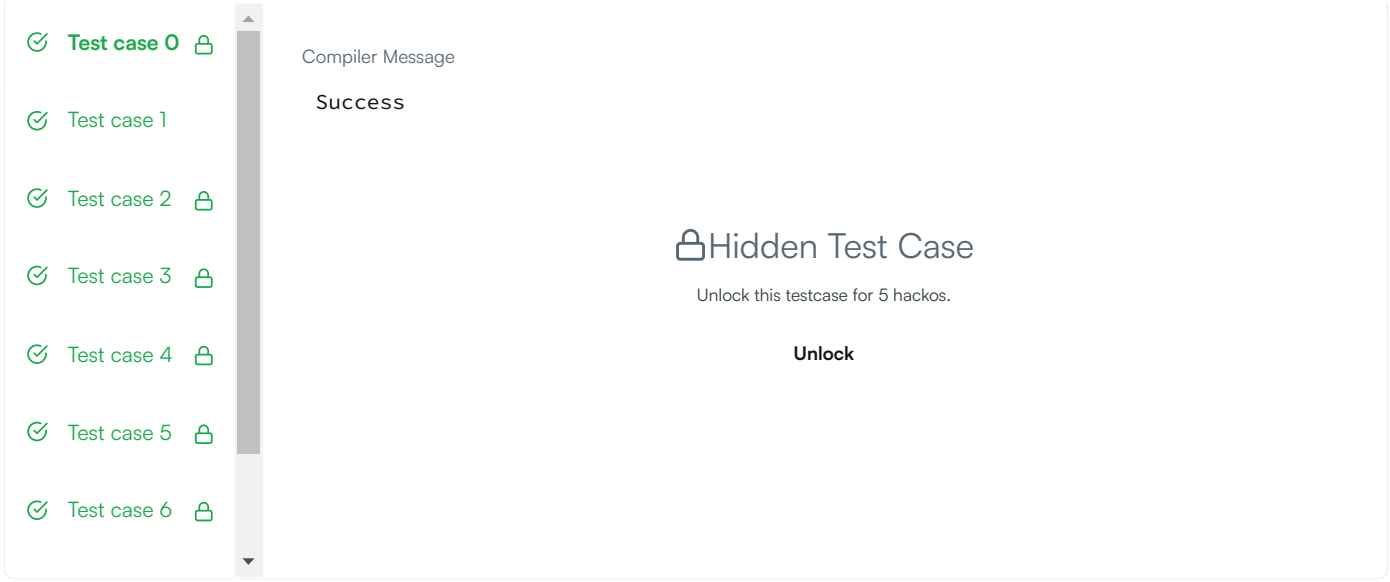
Test case 0
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Test case 6
Compiler Message
Success
Hidden Test Case
Unlock this testcase for 5 hackos.
Unlock