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Class name: 2336.001_F18

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solution.cpp
/* Problem Analysis
Given a number, we have to print rows of numbers counting to the
    given number, starting with just the first one.
*/
/* Problem Design
1. Iterate the number of times N, as to create that many rows
2. Iterate the number of times based on the current row count
3. Print out the numbers from 1 to row number
    For example, on row number 3, we will print all numbers 1 to 3
    separated by a space.
*/
#include<iostream>
#include<cstdio>
using namespace std;
void pattern(int N){
    //write your code here
    // controls # of rows printed
    for(int i = 1; i \le N; i++){
        // controls #'s printed in each row
        for(int j = 1; j \le i; j++){
            cout << j;
            // do not add delimiter space if it is the end of the line
            if(j < i)
                cout << " ";
            }
```

```
}
    // go to the next line
    cout << endl;
}

//Your program will be evaluated by this main method and several test cases.
int main(){
    int N;
    cin >> N;
    pattern(N);
}
```

Name

Custom test case

Input

7

Output (Lines:8)

1 1 2

1 2 3

1 2 3 4

1 2 3 4 5

123456

1234567

Expected Output (Lines:0)

Status

NA

Name

Custom test case

Input

10

Output (Lines:11)

```
1
1 2
123
1234
12345
1\; 2\; 3\; 4\; 5\; 6
1234567
12345678
123456789
12345678910
Expected Output (Lines:0)
Status
NA
Name
Custom test case
Input
5
Output (Lines:6)
1
1 2
123
1234
12345
Expected Output (Lines:0)
Status
NA
Name
Default
Input
```

Output (Lines:6)

5

1 1 2 1 2 3 1 2 3 4 1 2 3 4 5

Expected Output (Lines:5)

Status

Pass