Elite-S010-Pattern

Solved Challenges **1/2**

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Vertical Zig-Zag Reducing Pattern

ID:11074 **Solved By 740 Users**

The program must accept an integer **N** as the input. The program must print the desired pattern as shown in the Example Input/Output section.

Boundary Condition(s):
2 <= N <= 50

Input Format:
The first line contains N.

Output Format:
The first N lines contain the desired pattern as shown in the Example Input/Output section.

Example Input/Output 1:
Input:
5

Output:
1
2 9
3 8 10
4 7 11 14
5 6 12 13 15

Example Input/Output 2:
Input:
6

Output:
1
2 11
3 10 12
4 9 13 18
5 8 14 17 19
6 7 15 16 20 21

Max Execution Time Limit: 500 millisecs

Ambiance

C (gcc 8.x)

Reset

```c
#include<stdio.h>
#include<stdlib.h>

int main()
{
    int N;
    scanf("%d",&N);

    for(int row=1;row<=N;row++)
    {
        int down = ((N-row)*2)+1;
        int val = row;

        for(int col = 1;col<=row;col++)
        {
        int up = (row- col)*2;
        printf("%d ",val);
        if(col%2!=0)
            val+=down;
        else
            val+=up;
        }
        printf("\n");
    }
}
```

Code did not pass the execution

Your Program Output:

```
1
2 9
3 8 10
4 7 11 14
5 6 12 13 15
```

Save Run

Run with a custom test case (Input/Output)