

Coding Arena



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Problem : Box in a Box

Idea is to take a number as input and print a pattern of boxes

If input is 2, two boxes are to be printed - one inside the other

Smallest box will be of size 3*3, the next bigger box will be 5*5, the next one will be 7*7, so on and so forth

For input 1, then draw a box of dimensions 3*3

For input 2, outer box will be 5*5, inner will be 3*3

For input 3, outer box will be 7*7, with 2 more inner boxes

So for n, outermost box will be $n*2 + 1$ in size, with $(n-1)$ inner boxes

All boxes will be top left aligned as shown in the figure

Input Format:

First line of input contains a number N

Output Format:

Print N nested boxes

Constraints:

1. $0 < N < 25$

Sample Input and Output

Example Number	Sample Input	Sample Output
1	2	<pre>*** * * * * * * ***</pre>
2	3	<pre>***** * * * * * * * * * * * * * * * * * * * *****</pre>

Note:

Please do not use package and namespace in your code. For object oriented languages your code should be written in one class.

Note:

Participants submitting solutions in C language should not use functions from `<conio.h>` / `<process.h>` as these files do not exist in gcc

Note:

For C and C++, return type of `main()` function should be `int`.

Submit Answer

☐ I, **ASHISH JOHNSON** confirm that the answer submitted is my own.

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