# Your first nested loop

# Description

You are given a number, stored in a variable with the name num

You have to print  $_{\text{num}}$  lines, and on each line print all the numbers from 1 to the value stored in  $_{\text{num}}$ 

For example, if the value stored in  $_{\mbox{\scriptsize num}\mbox{\scriptsize =}\mbox{\scriptsize 5}}$  , then the required output is

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

# Input

The first and the only line of the input contains the value stored in  ${\it num}\,$ 

# Output

Print the output as mentioned in the problem statement

# Sample Input 1 🖺

# 4

# Sample Output 1

```
1 2 3 4
1 2 3 4
1 2 3 4
1 2 3 4
```

# Hint

In the sample test case, the value stored in num = 4

Therefore, we print 4 lines, and on each line we print all the values from [1,4]

Hence, the output will be

- 1 2 3 4 1 2 3 4
- 1 2 3 4
- 1 2 3 4

# Your First Pattern

# Description

You are given a number stored in a variable with the name n

You have to print  $_{n}$  lines, and on each line you have to print  $_{n}$  stars

For example, consider the value stored in n=4 . Then, the required output will be

# Input

The first and the only line of the input contains the value stored in the variable  $\ensuremath{\mathsf{n}}$ 

# Output

Print the pattern as shown in the problem statement

# Sample Input 1 🖺

# 5

# Sample Output 1

* * * * * * * * * * * * * * * * * * * *
* * * * *
* * * * *
* * * * *

# Hint

In the sample test case, the value stored in n = 5. Therefore, the required output is

#### 

## Description

- You are given a number stored in a variable with the name N
- You have to print N lines such that on each line you find the sum of all even numbers in the range of [1,1], where i represents all the numbers in the range of [1,N]
- For example, consider the value stored in N = 3
- Then, first we find the sum of all even numbers, in the range of [1,1], which comes out to be zero, as there are no even numbers in the range
- Then, we find the sum of all even numbers, in the range of [1,2], which comes out to be 2, as there is only 1 even number (2). Hence, the sum becomes 2
- Finally, we find the sum of all even numbers in the range of [1,3], which comes out to be 2, as there is only 1 even number (2). Hence, the sum becomes 2
- · Therefore, the final output becomes

```
0
2
2
```

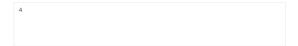
## Input

The first and the only line of the input contains the value stored in  $\ensuremath{\text{N}}$ 

#### Output

Print N lines such that on each line you find the sum of all even numbers in the range of [1,1], where i represents all the numbers in the range of [1,N], as shown in the problem statement

#### Sample Input 1



## Sample Output 1

0 2 2 6

# Hint

- In the sample test case, the value stored in N = 4.
- Then, first we find the sum of all even numbers, in the range of [1,1], which comes out to be zero, as there are no even numbers in the range
- Then, we find the sum of all even numbers, in the range of [1,2], which comes out to be 2, as there is only 1 even number (2). Hence, the sum becomes 2
- Then, we find the sum of all even numbers in the range of [1,3], which comes out to be 2, as there is only 1 even number (2). Hence, the sum becomes 2
- Then, finally we find the sum of all even numbers in the range of [1,4], which comes out to be 6, as there are two even numbers (2,4)
- Therefore, the final output becomes

2 2

Pattern Printing			<ul><li>Ended</li></ul>	✓ Edit	
Description  You are given a number, stored in a variable with the name N  Print the pattern as shown below.  If the value stored in N = 4, then the pattern required will be					
**  ***  ***					
Input The first and the only line of each test case contains the value stored in the variable N  Output Print the pattern as shown in the problem statement					
Sample Input 1 🖺		Sample Output 1			
2		*			
Sample Input 2 🖺		Sample Output 2			
1		*			
Hint					
In the first sample test case, the value stored in N = 2  Therefore, as shown in the problem statement, the required pattern will be					
In the second sample test case, the value stored in N = 1  Therefore, as shown in the problem statement, the required pattern will be					
rherefore, as shown in the problem statement, the required pattern will be					

Pattern of N 

• Ended

#### Description

- $\bullet\,$  You are given a number stored in a variable with the name  ${\tt N}$
- You have to print all the numbers in the range from 1 to N\*N , such that there are exactly N numbers on each line
- For example, if the value stored in N = 3, then all the numbers in the range, from [1,9] need to be printed, such that there are 3 numbers on each line. Therefore, the required output is

```
1 2 3
4 5 6
7 8 9
```

# Input

The first and the only line of the input contains the value stored in the variable  $\ensuremath{\text{N}}$ 

#### Output

Print all the numbers in the range from [1, N\*N], as shown in the problem statement, such that there are N numbers on each line

# Sample Input 1 🖺

# 4

# Sample Output 1

```
1 2 3 4
5 6 7 8
9 10 11 12
13 14 15 16
```

# Hint

In the sample test case, the value stored at N = 4. Therefore, all the values in the range from [1,16] need to be printed.

Also, there should be 4 elements on each line. Therefore, the output becomes

```
1 2 3 4
5 6 7 8
9 10 11 12
13 14 15 16
```