Your first nested loop

Description

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

You have to print `num` lines, and on each line print all the numbers from 1 to the value stored in `num`

For example, if the value stored in `num = 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 `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 `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

```
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
```

Even Sum Again

Ended Edit

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,i]`, 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 `N`

Output

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

Sample Input 1

```
4
```

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

```
0
2
2
6
```

Pattern Printing

Ended 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

```
2
```

Sample Output 1

```
*
**
```

Sample Input 2

```
1
```

Sample Output 2

```
*
```

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

```
*
```

Pattern of N

Ended Edit

Description

- You are given a number stored in a variable with the name `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 `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
```