Mirror Number Pattern

Problem Description: You are given with an input number N, then you have to print the given pattern corresponding to that number N.
For example if N=4
Pattern output :
```
   1
  12
 123
1234
```

How to approach?

1. Take N as input from the user.
2. Figure out the number of rows, (which is N here) and run a loop for that.
3. Now, figure out how many columns are there in ith row and run a loop for that within this. Here, first you need to run a loop to print the spaces too.
4. Now, figure out "What to print?" in a particular (row, column). It can depend on the column number, row number or N.

Pseudo code for the given problem:

```
input=N
i=1
While i is less than or equal to N:
        spaces=1
        While spaces is less than (n-i):
                print(' ')
                Increment spaces by 1
        j=1
        While j is less than or equal to i:
                print(j)
                Increment j by 1
        Increment i by 1
        Add a new line here
```

- ❏ Let us dry run the Code for N=4
  - i=1(<=4)

- ➔ 4-1=3 spaces are getting printed first.
- ➔ j=1(<=1), so print=1+1-1=1
- ➔ j=2 (>1), move out of the inner loop with a new line

- i=2(<=4)
  - ➔ 4-2=2 spaces are getting printed first.
  - ➔ j=1 (<=2), so print 1
  - ➔ j=2 (<=2) , so print 2
  - ➔ j=3(>2), move out of the inner loop with a new line

- i=3(<=4)
  - ➔ 4-3=1 space is getting printed first.
  - ➔ j=1(<=3), so print 1
  - ➔ j=2(<=3), so print 2
  - ➔ j=3(<=3), so print 3
  - ➔ j=4(>3), move out of the inner loop with a new line

- i=4(<=4)
  - ➔ 4-4=0 no space is getting printed.
  - ➔ j=1(<=4), so print 1
  - ➔ j=2(<=4), so print 2
  - ➔ j=3(<=4), so print 3
  - ➔ j=4(<=4), so print 4
  - ➔ j=5(>4), move out of the inner loop with a new line

- i=5(>4), move out of the loop

So , final output:

```
   1
  12
 123
1234
```