Square 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 : 4444
4444
4444
4444

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 number of columns to be printed in ith row or generic row (which is the N here) and run a loop for that within this.
4. Now, figure out "What to print?" in a particular (row, column). It can depend on the column number, row number or N which is N here.

Pseudo code for the given problem:

```
input=N
i=1
While i is less than or equal to N:
        j=1
        While j is less than or equal to N:
                print(N)
                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)
    - ➔ j=1 (<=4), so print 4.
    - ➔ j=2 (<=4), so print 4.
    - ➔ j=3 (<=4), so print 4.
    - ➔ j=4 (<=4), so print 4.

➔ j=5(>4), move out of the inner loop with a new line.

- i=2(<=4)
  - ➔ j=1 (<=4), so print 4.
  - ➔ j=2 (<=4), so print 4.
  - ➔ j=3 (<=4), so print 4.
  - ➔ j=4 (<=4), so print 4.
  - ➔ j=5(>4), move out of the inner loop with a new line.

- i=3(<=4)
  - ➔ j=1 (<=4), so print 4.
  - ➔ j=2 (<=4), so print 4.
  - ➔ j=3 (<=4), so print 4.
  - ➔ j=4 (<=4), so print 4.
  - ➔ j=5(>4), move out of the inner loop with a new line.

- i=4(<=4)
  - ➔ j=1 (<=4), so print 4.
  - ➔ j=2 (<=4), so print 4.
  - ➔ j=3 (<=4), so print 4.
  - ➔ 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:
4 4 4 4
4 4 4 4
4 4 4 4
4 4 4 4