



# Spiral Matrix

Java May'19 Advanced Practice 3 - 1 day 04:01:23

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C#: 0.1s

Java: 1.0s

📄 **Memory limit:** 32M

C#: 32M

Java: 32M

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Loops, Numeral Systems

⬆ **Difficulty**

Easy

▼ **Allowed languages**

C#, java, JavaScript

Write a program that reads from the console a positive integer number **N** ( $1 \leq N \leq 20$ ) and prints a matrix holding the numbers from **1** to **N\*N** in the form of square spiral like in the examples below.

## Input

- The input will always consist of a single line containing a single number - **N**.

## Output

- Output a spiral matrix as described below.

## Constraints

- N** will always be a valid integer number.
- $1 \leq N \leq 20$

## Sample tests

**Input**   **Output**

```
2      1 2
      4 3
```



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

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## ? Clarifications

No clarifications have been made at this time.

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