Java → Basic syntax and simple programs → Arrays
Multi-dimensional array → Spiral

📊 Hard   🕐 15 minutes   ❓

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Code Challenge — Write a program

Output the matrix of size $n \times n$, filled by the integers from 1 to n^2 in a spiral, coming from the top left corner and twisted clockwise, as shown in the example (here $n = 5$).

Sample Input 1:

```
5
```

Sample Output 1:

```
1  2  3  4  5
16 17 18 19 6
15 24 25 20 7
14 23 22 21 8
13 12 11 10 9
```

Code Editor   **IDE**

IDE / Checking the plugin's status

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TP   **Tautvydas Pagalys** about 1 month ago Report

You need 1 "while" and inside it you need 4 "for" loops.
For the first row and for the first "for loop" try to write "spiralMatrix[firstRow][i] = value" and think that firstRow will be the same, but [i] has to change. Use that logic for the next 3 "for loops".

♡ 1   Reply

Rabblerouser 5 months ago Report

Generally, you should split the task in 4 parts: →, ↓, ←, ↑...