

Problem 59: Spiral Matrix II

Problem Information

Difficulty: Medium

Acceptance Rate: 74.24%

Paid Only: No

Tags: Array, Matrix, Simulation

Problem Description

Given a positive integer `n`, generate an `n x n` `matrix` filled with elements from `1` to `n²` in spiral order.

Example 1:

A 3x3 matrix filled with numbers in a spiral pattern: [1,2,3],[8,9,4],[7,6,5].

Input: n = 3 **Output:** [[1,2,3],[8,9,4],[7,6,5]]

Example 2:

Input: n = 1 **Output:** [[1]]

Constraints:

* `1 <= n <= 20`

Code Snippets

C++:

```
class Solution {
public:
    vector<vector<int>> generateMatrix(int n) {
```

```
    }  
};
```

Java:

```
class Solution {  
public int[][] generateMatrix(int n) {  
  
}  
}
```

Python3:

```
class Solution:  
def generateMatrix(self, n: int) -> List[List[int]]:
```