Problem 54: Spiral Matrix

Problem Information

Difficulty: Medium
Acceptance Rate: 55.43%
Paid Only: No
Tags: Array, Matrix, Simulation

Problem Description

Given an `m x n` `matrix`, return _all elements of the_ `matrix` _in spiral order_.

Example 1:

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

Example 2:

Input: matrix = [[1,2,3,4],[5,6,7,8],[9,10,11,12]] **Output:** [1,2,3,4,8,12,11,10,9,5,6,7]

Constraints:

* `m == matrix.length` * `n == matrix[i].length` * `1 <= m, n <= 10` * `-100 <= matrix[i][j] <= 100`

Code Snippets

C++:

```
class Solution {
public:
vector<int> spiralOrder(vector<vector<int>>& matrix) {
```

```
}
};
```

Java:

```
class Solution {
public List<Integer> spiralOrder(int[][] matrix) {

}
}
```

Python3:

```
class Solution:
def spiralOrder(self, matrix: List[List[int]]) -> List[int]:
```