

Our Solution(s) Run Code

Run Code

Your Solutions

Run Code

Run Code

```

Solution 1      Solution 2

1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 import java.util.*;
4
5 class Program {
6     // O(n) time | O(n) space - where n is the total number of elements in the array
7     public static List<Integer> spiralTraverse(int[][] array) {
8         if (array.length == 0) return new ArrayList<Integer>();
9
10        var result = new ArrayList<Integer>();
11        var startRow = 0;
12        var endRow = array.length - 1;
13        var startCol = 0;
14        var endCol = array[0].length - 1;
15
16        while (startRow <= endRow && startCol <= endCol) {
17            for (int col = startCol; col <= endCol; col++) {
18                result.add(array[startRow][col]);
19            }
20
21            for (int row = startRow + 1; row <= endRow; row++) {
22                result.add(array[row][endCol]);
23            }
24
25            for (int col = endCol - 1; col >= startCol; col--) {
26                if (startRow == endRow) break;
27                result.add(array[endRow][col]);
28            }
29
30            for (int row = endRow - 1; row > startRow; row--) {
31                if (startCol == endCol) break;
32                result.add(array[row][startCol]);
33            }
34
35            startRow++;
36            endRow--;
37            startCol++;
38            endCol--;
39        }
40        return result;
41    }
42 }
43

```

Custom Output Raw Output Submit Code

Raw Output [Submit Code](#)

Submit Code

Run or submit code when you're ready.