

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 # O(n) time | O(n) space - where n is the total number of elements in the array
4 def spiralTraverse(array):
5     result = []
6     spiralFill(array, 0, len(array) - 1, 0, len(array[0]) - 1, result)
7     return result
8
9
10 def spiralFill(array, startRow, endRow, startCol, endCol, result):
11     if startRow > endRow or startCol > endCol:
12         return
13
14     for col in range(startCol, endCol + 1):
15         result.append(array[startRow][col])
16
17     for row in range(startRow + 1, endRow + 1):
18         result.append(array[row][endCol])
19
20     for col in reversed(range(startCol, endCol)):
21         if startRow == endRow:
22             break
23         result.append(array[endRow][col])
24
25     for row in reversed(range(startRow + 1, endRow)):
26         if startCol == endCol:
27             break
28         result.append(array[row][startCol])
29
30     spiralFill(array, startRow + 1, endRow - 1, startCol + 1, endCol - 1, result)
31

```

Solution 1      Solution 2      Solution 3

```
1 def spiralTraverse(matrix):
2     # Write your code here.
3     pass
4
```

Custom Output   Raw Output   Submit Code

### Raw Output

Submit Code

**Run or submit code when you're ready.**