

PromptScratchpadOur Solution(s)Video ExplanationRun Code

Your SolutionsRun Code

Solution 1	Solution 2	Solution 3
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 using System.Collections.Generic; 4 5 public class Program { 6 // O(n) time O(n) space - where n is the total number of elements in the array 7 public static List<int> SpiralTraverse(int[,] array) { 8 if (array.Length == 0) return new List<int>(); 9 10 11 var result = new List<int>(); 12 spiralFill(array, 0, array.GetLength(0) - 1, 0, array.GetLength(1) - 1, result); 13 } 14 15 public static void spiralFill(16 int[,] array, 17 int startRow, 18 int endRow, 19 int startCol, 20 int endCol, 21 List<int> result) { 22 if (startRow > endRow startCol > endCol) { 23 return; 24 } 25 26 for (int col = startCol; col <= endCol; col++) { 27 result.Add(array[startRow,col]); 28 } 29 30 for (int row = startRow + 1; row <= endRow; row++) { 31 result.Add(array[row,endCol]); 32 } 33 34 for (int col = endCol - 1; col >= startCol; col--) { 35 if (startRow == endRow) break; 36 result.Add(array[endRow,col]); 37 } 38 39 for (int row = endRow - 1; row >= startRow + 1; row--) { 40 if (startCol == endCol) break; 41 result.Add(array[row,startCol]); 42 } 43 spiralFill(array, startRow + 1, endRow - 1, startCol + 1, endCol - 1, result); 44 } 45 } 46</pre>		<pre>1 using System.Collections.Generic; 2 3 public class Program { 4 public static List<int> SpiralTraverse(int[,] array) { 5 // Write your code here. 6 return new List<int>(); 7 } 8 } 9</pre>

Run or submit code when you're ready.