

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code	Your Solutions	Run Code
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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&lt;int&gt; SpiralTraverse(int[,] array) { 8         if (array.GetLength(0) == 0) return new List&lt;int&gt;(); 9 10        var result = new List&lt;int&gt;(); 11        var startRow = 0; 12        var endRow = array.GetLength(0) - 1; 13        var startCol = 0; 14        var endCol = array.GetLength(1) - 1; 15 16        while (startRow &lt;= endRow &amp;&amp; startCol &lt;= endCol) { 17            for (int col = startCol; col &lt;= endCol; col++) { 18                result.Add(array[startRow,col]); 19            } 20 21            for (int row = startRow + 1; row &lt;= endRow; row++) { 22                result.Add(array[row,endCol]); 23            } 24 25            for (int col = endCol - 1; col &gt;= startCol; col--) { 26                if (startRow == endRow) break; 27                result.Add(array[endRow,col]); 28            } 29 30            for (int row = endRow - 1; row &gt; 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</pre>		<pre>1 using System.Collections.Generic; 2 3 public class Program { 4     public static List&lt;int&gt; SpiralTraverse(int[,] array) { 5         // Write your code here. 6         return new List&lt;int&gt;(); 7     } 8 } 9</pre>

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