Our Solution(s)

Run Code

Your Solutions

Run Code

```
Solution 1
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
5 class Program {
     // O(wh) time | O(wh) space
6
     public static List<Integer> riverSizes(int[][] matrix) {
       List<Integer> sizes = new ArrayList<Integer>();
9
       boolean[][] visited = new boolean[matrix.length][matrix[0].1
10
       for (int i = 0; i < matrix.length; i++) {</pre>
11
          for (int j = 0; j < matrix[0].length; j++) {</pre>
12
           if (visited[i][j]) {
13
             continue;
14
15
            traverseNode(i, j, matrix, visited, sizes);
16
17
18
        return sizes;
19
20
21
     public static void traverseNode(
         int i, int j, int[][] matrix, boolean[][] visited, List<In</pre>
23
        int currentRiverSize = 0;
24
       List<Integer[]> nodesToExplore = new ArrayList<Integer[]>();
25
       nodesToExplore.add(new Integer[] {i, j});
       while (!nodesToExplore.isEmpty()) {
26
27
         Integer[] currentNode = nodesToExplore.get(nodesToExplore.
28
         nodesToExplore.remove(nodesToExplore.size() - 1);
29
         i = currentNode[0];
30
          j = currentNode[1];
         if (visited[i][j]) {
31
32
           continue;
33
```

Sublime

Run or submit code when you're ready.