

Our Solution(s)

Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 import java.util.*;
4 import java.util.stream.*;
5
6 class Program {
7     // O(w * n * log(n)) time | O(wn) space - where w is the number of words
8     // the longest word
9     public static List<List<String>> groupAnagrams(List<String> words) {
10         Map<String, List<String>> anagrams = new HashMap<String, List<String>>();
11
12         for (String word : words) {
13             char[] charArray = word.toCharArray();
14             Arrays.sort(charArray);
15             String sortedWord = new String(charArray);
16
17             if (anagrams.containsKey(sortedWord)) {
18                 anagrams.get(sortedWord).add(word);
19             } else {
20                 anagrams.put(sortedWord, new ArrayList<String>(Arrays.asList(word)));
21             }
22         }
23
24         List<List<String>> output = new ArrayList<List<String>>();
25         for (Map.Entry<String, List<String>> entry : anagrams.entrySet()) {
26             output.add(entry.getValue());
27         }
28         return output;
29     }
30 }
31
```

Your Solutions

Run Code

Solution 1Solution 2Solution 3

```
1 import java.util.*;
2
3 class Program {
4     public static List<List<String>> groupAnagrams(List<String> words) {
5         // Write your code here.
6         return null;
7     }
8 }
9
```

Our Tests

Custom Output

Submit Code

```

1 class ProgramTest {
2     static void Main() {
3         Console.WriteLine("Hello, World!");
4         Console.WriteLine("Hello, World!");
5         Console.WriteLine("Hello, World!");
6         Console.WriteLine("Hello, World!");
7         Console.WriteLine("Hello, World!");
8         Console.WriteLine("Hello, World!");
9         Console.WriteLine("Hello, World!");
10        Console.WriteLine("Hello, World!");
11    }
12 }
13
14 class ProgramTest {
15     static void Main() {
16         Console.WriteLine("Hello, World!");
17         Console.WriteLine("Hello, World!");
18         Console.WriteLine("Hello, World!");
19         Console.WriteLine("Hello, World!");
20         Console.WriteLine("Hello, World!");
21         Console.WriteLine("Hello, World!");
22         Console.WriteLine("Hello, World!");
23         Console.WriteLine("Hello, World!");
24         Console.WriteLine("Hello, World!");
25     }
26 }

```

Run or submit code when you're ready.