

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 package main
4
5 import (
6     "sort"
7 )
8
9 // O(w * n * log(n) + n * w * log(w)) time | O(w*n) space - where w is the number of words
10 // n is the length of the longest word
11 func GroupAnagrams(words []string) [][]string {
12     if len(words) == 0 {
13         return [][]string{}
14     }
15
16     sortedWords := []string{}
17     indices := []int{}
18     for i, word := range words {
19         sortedWords = append(sortedWords, sortWord(word))
20         indices = append(indices, i)
21     }
22     sort.Slice(indices, func(i, j int) bool {
23         return sortedWords[indices[i]] < sortedWords[indices[j]]
24     })
25
26     result := [][]string{}
27     currentAnagramGroup := []string{}
28     currentAnagram := sortedWords[indices[0]]
29     for _, index := range indices {
30         word := words[index]
31         sortedWord := sortedWords[index]
32         if len(currentAnagramGroup) == 0 {
33             currentAnagramGroup = append(currentAnagramGroup, word)
34             currentAnagram = sortedWord
35             continue
36         }
37
38         if sortedWord == currentAnagram {
39             currentAnagramGroup = append(currentAnagramGroup, word)
40             continue
41         }
42
43         result = append(result, currentAnagramGroup)
44         currentAnagramGroup = []string{word}
45         currentAnagram = sortedWord
46     }
47
48     result = append(result, currentAnagramGroup)
49
50     return result
51 }
52
53 func sortWord(word string) string {
54     wordBytes := []byte(word)
55     sort.Slice(wordBytes, func(i, j int) bool {
56         return wordBytes[i] < wordBytes[j]
57     })
58     return string(wordBytes)
59 }
60
```

Solution 1

Solution 2

Solution 3

```
1 package main
2
3 func GroupAnagrams(words []string) [][]string {
4     // Write your code here.
5     return nil
6 }
7
```

Custom Output

Raw Output

Submit Code

Run or submit code when you're ready.