

Description

Solution

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Submissions

## 49. Group Anagrams

Medium

8609

299

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Given an array of strings `strs` , group **the anagrams** together. You can return the answer in **any order**.

An **Anagram** is a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters exactly once.

### Example 1:

**Input:** `strs = ["eat","tea","tan","ate","nat","bat"]`  
**Output:** `[["bat"],["nat","tan"],["ate","eat","tea"]]`

### Example 2:

**Input:** `strs = [""]`  
**Output:** `[[""]]`

### Example 3:

**Input:** `strs = ["a"]`  
**Output:** `[["a"]]`

### Constraints:

- `1 <= strs.length <= 104`
- `0 <= strs[i].length <= 100`
- `strs[i]` consists of lowercase English letters.

Accepted 1,270,012

Submissions 1,994,449

Seen this question in a real interview before?

Yes

No

Companies

Java

Autocomplete

```
1  class Solution {
2
3      private String hashCounter( int[] count ) {
4
5          StringBuilder stringBuilder = new StringBuilder();
6
7          for (int i = 0; i < 26; i++) {
8              if (count[i] > 0) {
9                  stringBuilder.append('a' + i).append(count[i]);
10             }
11         }
12
13         return stringBuilder.toString();
14     }
15
16     private String constructLetterCounter( String str ) {
17
18         int[] count = new int[26];
19
20         for (char ch : str.toCharArray())
21             count[ch - 'a']++;
22
23         return hashCounter(count);
24     }
25
26     public List<List<String>> groupAnagrams( String[] strs ) {
27
28         HashMap<String, List<String>> hashMap = new HashMap<>();
29
30         for (String string : strs) {
31
32             String hashValue = constructLetterCounter(string);
33
34             if (!hashMap.containsKey(hashValue)) {
35                 hashMap.put(hashValue, new LinkedList<>());
36             }
37
38             hashMap.get(hashValue).add(string);
39         }
40
41         return hashMap.values().stream().toList();
42     }
43 }
```