

Group Anagrams

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Question

Solution

48544 TotalSubmissions: **199027** Difficulty: **Medium**

Given an array of strings, group anagrams together.

For example, given: ["eat", "tea", "tan", "ate", "nat", "bat"],


Return:

```
[
  ["ate", "eat", "tea"],
  ["nat", "tan"],
  ["bat"]
]
```

Note:

1. For the return value, each *inner* list's elements must follow the lexicographic order.
2. All inputs will be in lower-case.

Update (2015-08-09):

The signature of the function had been updated to return `list<list<string>>` instead of `list<string>`, as suggested here (<https://leetcode.com/discuss/215/does-return-groups-return-result-vector-string-return-groups?show=216#a216>). If you still see your function signature return a `list<string>`, please click the reload button  to reset your code definition.


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Python ▼



```
1 class Solution(object):
2     def groupAnagrams(self, strs):
3          Send Feedback (mailto:admin@leetcode.com?subject=Feedback)
4         :type strs: List[str]
5         :rtype: List[List[str]]
6         """
```

```
7         returnColumn = []
8         hash = {}
9         for i in range(len(strs)):
10             tmp = strs[i][0:]
11             tmp = sorted(tmp)
12             res = "".join(tmp)
13             if hash.has_key(res):
14                 index = hash[res]
15                 column = returnColumn[index]
16                 column.append(strs[i])
17                 returnColumn[index] = column
18             else:
19                 hash[res] = len(returnColumn)
20                 column = [strs[i]]
21                 returnColumn.append(column)
22         for i in range(len(returnColumn)):
23             returnColumn[i] = sorted(returnColumn[i])
24         return returnColumn
```

Custom Testcase ☒

["eat", "tea", "tan", "ate", "nat", "bat"]

One line for one parameter.

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