

Problem 49: Group Anagrams

Problem Information

Difficulty: Medium

Acceptance Rate: 71.74%

Paid Only: No

Tags: Array, Hash Table, String, Sorting

Problem Description

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

Example 1:

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

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

Explanation:

* There is no string in strs that can be rearranged to form `bat`. * The strings `nat` and `tan` are anagrams as they can be rearranged to form each other. * The strings `ate`, `eat`, and `tea` are anagrams as they can be rearranged to form each other.

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.`

Code Snippets

C++:

```
class Solution {
public:
vector<vector<string>> groupAnagrams(vector<string>& strs) {
    }
};
```

Java:

```
class Solution {
public List<List<String>> groupAnagrams(String[] strs) {
    }
}
```

Python3:

```
class Solution:
def groupAnagrams(self, strs: List[str]) -> List[List[str]]:
```