

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]]:
```