

Problem List

243. Shortest Word Distance

Premium

Solved

Easy

Topics

Companies

Given an array of strings `wordsDict` and two different strings that already exist in the array `word1` and `word2`, return the shortest distance between these two words in the list.

**Example 1:**

**Input:** `wordsDict = ["practice", "makes", "perfect", "coding", "makes"], word1 = "coding", word2 = "practice"`

**Output:** 3

**Example 2:**

**Input:** `wordsDict = ["practice", "makes", "perfect", "coding", "makes"], word1 = "makes", word2 = "coding"`

**Output:** 1

**Constraints:**

- `2 <= wordsDict.length <= 3 * 104`
- `1 <= wordsDict[i].length <= 10`
- `wordsDict[i]` consists of lowercase English letters.
- `word1` and `word2` are in `wordsDict`.
- `word1 != word2`

Seen this question in a real interview before? 1/5

Yes No

Accepted 213K Submissions 326.1K Acceptance Rate 65.3%

Topics

Companies

Similar Questions

Discussion (7)

Copyright © 2024 LeetCode All rights reserved

1.3K

7

</> Code

Python3

Auto

```
1 class Solution:
2     def shortestDistance(self, wordsDict: List[str], word1: str, word2: str) -> int:
3
4         a = []
5         b = []
6
7         for i in range(0, len(wordsDict)):
8             if wordsDict[i] == word1:
9                 a.append(i)
10
11             if wordsDict[i] == word2:
12                 b.append(i)
13
14         minx = len(wordsDict)
15
16         for i in range(0, len(a)):
17             for j in range(0, len(b)):
18                 temp = abs(a[i]-b[j])
```

Ln 16, Col 35

Testcase

Test Result

Accepted

Runtime: 75 ms

Case 1

Case 2

Input

wordsDict = ["practice", "makes", "perfect", "coding", "makes"]

word1 = "coding"

word2 = "practice"

Output