

244. Shortest Word Distance II

Medium

330

107

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Design a class which receives a list of words in the constructor, and implements a method that takes two words *word1* and *word2* and return the shortest distance between these two words in the list. Your method will be called *repeatedly* many times with different parameters.

Example:

Assume that words = ["practice", "makes", "perfect", "coding", "makes"].

Input: word1 = "coding", word2 = "practice"
Output: 3

Input: word1 = "makes", word2 = "coding"
Output: 1

Note:

You may assume that *word1* **does not equal to** *word2*, and *word1* and *word2* are both in the list.

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Yes

No

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```
1 class WordDistance(object):
2
3     def __init__(self, words):
4         """
5         :type words: List[str]
6         """
7
8     def shortest(self, word1,
9 word2):
10         """
11         :type word1: str
12         :type word2: str
13         :rtype: int
14         """
15
16
17
18 # Your WordDistance object will be
19 # instantiated and called as such:
20 # obj = WordDistance(words)
21 # param_1 =
22 # obj.shortest(word1,word2)
```

Console

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