Unknown Title

Description

Description

Note

Note

Editorial

Editorial

Solutions

Solutions

Submissions

Submissions

Code

Code

Testcase

Testcase

Test Result

Test Result

68. Text Justification

Hard

Topics
Companies

Given an array of strings `words` and a width `maxWidth`, format the text such that each line has exactly `maxWidth` characters and is fully (left and right) justified.

You should pack your words in a greedy approach; that is, pack as many words as you can in each line. Pad extra spaces `' '` when necessary so that each line has exactly `maxWidth` characters.

Extra spaces between words should be distributed as evenly as possible. If the number of spaces on a line does not divide evenly between words, the empty slots on the left will be assigned more spaces than the slots on the right.

For the last line of text, it should be left-justified, and no extra space is inserted between words.

Note:

- A word is defined as a character sequence consisting of non-space characters only.
- Each word's length is guaranteed to be greater than `0` and not exceed `maxWidth`.
- The input array `words` contains at least one word.

Example 1:

```
Input: words = ["This", "is", "an", "example", "of", "text", "justification."],
maxWidth = 16
Output:
[
   "This    is    an",
   "example  of text",
   "justification.  "
]
```

Example 2:

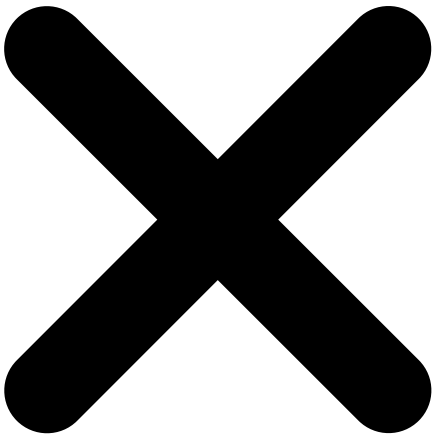
```
Input: words = ["What","must","be","acknowledgment","shall","be"], maxWidth = 16
Output:
[
  "What   must   be",
  "acknowledgment  ",
  "shall be        "
]
Explanation: Note that the last line is "shall be    " instead of "shall     be",
because the last line must be left-justified instead of fully-justified.
Note that the second line is also left-justified because it contains only one word.
```

Example 3:

```
Input: words =
["Science","is","what","we","understand","well","enough","to","explain","to","a","computer.","Art","is","
 maxWidth = 20
Output:
[
  "Science  is  what we",
  "understand      well",
  "enough to explain to",
  "a  computer.  Art is",
  "everything  else  we",
  "do                  "
]
```

Constraints:

- `1 <= words.length <= 300`
- `1 <= words[i].length <= 20`
- `words[i]` consists of only English letters and symbols.
- `1 <= maxWidth <= 100`
- `words[i].length <= maxWidth`



Seen this question in a real interview before?

1/5

Yes

No

Accepted

476.1K

Submissions

1M

Acceptance Rate

45.8%

Topics

ArrayStringSimulation

Companies

Discussion (132)

</>
@

💡 Discussion Rules

1. Please don't post **any solutions** in this discussion.

2. The problem discussion is for asking questions about the problem or for sharing tips - anything except for solutions.

3. If you'd like to share your solution for feedback and ideas, please head to the solutions tab and post it there.

No comments yet.

103 Online

1

2

3

4

5

```
class Solution {
    public List<String> fullJustify(String[] words, int maxWidth) {


    }
}
```

Saved

Ln 1, Col 1

words =

["This", "is", "an", "example", "of", "text", "justification."]

maxWidth =

16

9

1

2

3

4

5

6

›

["This", "is", "an", "example", "of", "text", "justification."]

16

["What","must","be","acknowledgment","shall","be"]

16

["Science","is","what","we","understand","well","enough","to","explain","to","a","computer.","Art","is","everything","else"
,"we","do"]

20

</>
Source

FindHeaderBarSize

FindTabBarSize

FindBorderBarSize