# 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 (lef

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 necessa

Extra spaces between words should be distributed as evenly as possible. If the number of spaces on a line does not divide evenly between w

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 l
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","com
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`