

2109. Adding Spaces to a String

Solved ●

Medium Topics Companies Hint

You are given a **0-indexed** string `s` and a **0-indexed** integer array `spaces` that describes the indices in the original string where spaces will be added. Each space should be inserted **before** the character at the given index.

- For example, given `s = "EnjoyYourCoffee"` and `spaces = [5, 9]`, we place spaces before 'Y' and 'C', which are at indices 5 and 9 respectively. Thus, we obtain `"Enjoy Your Coffee"`.

Return the modified string *after* the spaces have been added.

Example 1:

Input: `s = "LeetcodeHelpsMeLearn"`, `spaces = [8,13,15]`
Output: `"Leetcode Helps Me Learn"`
Explanation:
The indices 8, 13, and 15 correspond to the underlined characters in `"LeetcodeHelpsMeLearn"`.
We then place spaces before those characters.

Example 2:

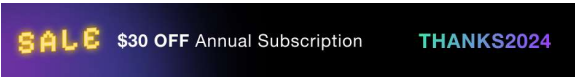
Input: `s = "icodeinpython"`, `spaces = [1,5,7,9]`
Output: `"i code in py thon"`
Explanation:
The indices 1, 5, 7, and 9 correspond to the underlined characters in `"icodeinpython"`.
We then place spaces before those characters.

Example 3:

Input: `s = "spacing"`, `spaces = [0,1,2,3,4,5,6]`
Output: `" s p a c i n g"`
Explanation:
We are also able to place spaces before the first character of the string.

Constraints:

- `1 <= s.length <= 3 * 105`
- `s` consists only of lowercase and uppercase English letters.
- `1 <= spaces.length <= 3 * 105`
- `0 <= spaces[i] <= s.length - 1`
- All the values of `spaces` are **strictly increasing**.



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

Yes No

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