

2109. Adding Spaces to a String

Description

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 Y our C offee"`.

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 `"Leetcode Helps Me Learn"`. 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 `"i code in py thon"`. 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:

- $1 \leq s.length \leq 3 \cdot 10^5$
- `s` consists only of lowercase and uppercase English letters.
- $1 \leq spaces.length \leq 3 \cdot 10^5$
- $0 \leq spaces[i] \leq s.length - 1$
- All the values of `spaces` are **strictly increasing**.

