



# 616. Add Bold Tag in String Premium

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You are given a string `s` and an array of strings `words`.

You should add a closed pair of bold tag `<b>` and `</b>` to wrap the substrings in `s` that exist in `words`.

- If two such substrings overlap, you should wrap them together with only one pair of closed bold-tag.
- If two substrings wrapped by bold tags are consecutive, you should combine them.

Return `s` after adding the bold tags.

## Example 1:

**Input:** `s = "abcxyz123"`, `words = ["abc","123"]`  
**Output:** `"<b>abc</b>xyz<b>123</b>"`  
**Explanation:** The two strings of `words` are substrings of `s` as following: `"abcxyz123"`.  
We add `<b>` before each substring and `</b>` after each substring.

## Example 2:

**Input:** `s = "aaabbb"`, `words = ["aa","b"]`  
**Output:** `"<b>aaabbb</b>"`  
**Explanation:**  
"aa" appears as a substring two times: `"aaabbb"` and `"aaabbb"`.  
"b" appears as a substring three times: `"aaabbb"`, `"aaabbb"`, and `"aaabbb"`.  
We add `<b>` before each substring and `</b>` after each substring: `"<b>a<b>a</b>a</b><b>b</b><b>b</b><b>b</b>"`.  
Since the first two `<b>`'s overlap, we merge them: `"<b>aaa</b><b>b</b><b>b</b><b>b</b>"`.  
Since now the four `<b>`'s are consecutive, we merge them: `"<b>aaabbb</b>"`.

## Constraints:



- `1 <= s.length <= 1000`
- `0 <= words.length <= 100`
- `1 <= words[i].length <= 1000`
- `s` and `words[i]` consist of English letters and digits.
- All the values of `words` are **unique**.

**Note:** This question is the same as [758. Bold Words in String](#).

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

☒ Yes ☐ No

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