

5685. Merge Strings Alternately

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You are given two strings `word1` and `word2` . Merge the strings by adding letters in alternating order, starting with `word1` . If a string is longer than the other, append the additional letters onto the end of the merged string.

Return *the merged string*.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

Input: `word1 = "abc", word2 = "pqr"`
Output: `"apbqcr"`
Explanation: The merged string will be merged as so:
word1: a b c
word2: p q r
merged: a p b q c r

Example 2:

Input: `word1 = "ab", word2 = "pqrs"`
Output: `"apbqrs"`
Explanation: Notice that as `word2` is longer, `"rs"` is appended to the end.
word1: a b
word2: p q r s
merged: a p b q r s




Example 3:

Input: `word1 = "abcd", word2 = "pq"`
Output: `"apbqcd"`
Explanation: Notice that as `word1` is longer, `"cd"` is appended to the end.
word1: a b c d
word2: p q
merged: a p b q c d

Constraints:


- `1 <= word1.length, word2.length <= 100`
- `word1` and `word2` consist of lowercase English letters.

JavaScript



```
1 /**
2  * @param {string} word1
3  * @param {string} word2
4  * @return {string}
5  */
6 const mergeAlternately = (word1, word2) => {
7   let n1 = word1.length;
8   let n2 = word2.length;
9   let n = Math.max(n1, n2);
10  let res = "";
11  let i = 0;
12  for (; i < n; i++) {
13    if (word1[i] == undefined || word2[i] == undefined) break;
14    res += word1[i];
15    res += word2[i];
16  }
17  // console.log(i)
18  let rest = "";
19  if (i == n1) {
20    rest = word2.slice(i);
21  } else if (i == n2) {
22    rest = word1.slice(i);
23  }
```

```
24 // console.log(rest)
25 return res + rest;
26 };
```

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