

# 1768. Merge Strings Alternately

Solved

Easy

Topics

Companies

Hint

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*.

## 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:

3.8K

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## </> Code

JavaScript

Auto

```

1  /**
2   * @param {string} word1
3   * @param {string} word2
4   * @return {string}
5   */
6
7  var mergeAlternately = function(word1, word2) {
8      let arr1 = word1.split('');
9      let arr2 = word2.split('');
10     let arr3 = [];
11     let count = 0;
12     if (arr1.length > arr2.length) {
13         for (let i = 0; i < arr1.length; i++) {
14             arr3.push(arr1[i]);
15             if (i < arr2.length) {
16                 arr3.push(arr2[i]);
17             }
18         }
19     } else {
20         for (let i = 0; i < arr2.length; i++) {
21             arr3.push(arr2[i]);
22             if (i < arr1.length) {
23                 arr3.push(arr1[i]);
24             }
25         }
26     }
27     return arr3.join('');
28 }
```

Saved

☒ Testcase
>\_ Test Result

Case 1

Case 2

Case 3

word1 =

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