

0088 - Merge Sorted Array



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Input: nums1 = [1,2,3,0,0,0], m = 3, nums2 = [2,5,6], n = 3

Output: [1,2,2,3,5,6]

Explanation: The arrays we are merging are [1,2,3] and [2,5,6].

The result of the merge is [1,2,2,3,5,6] with the underlined elements coming from nums1.

□□□□□□□□ nums1 □□□ sort □□

□□ Code

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```
class Solution(object):
    def merge(self, nums1, m, nums2, n):
        """
        :type nums1: List[int]
        :type m: int
        :type nums2: List[int]
        :type n: int
        :rtype: None Do not return anything, modify nums1 in-place instead.
        """

        for i in range(m, m+n):
            nums1[i] = nums2[m - i]

        # Sort: Bubble sort
        temp_index = 0
        for i in range(0, m+n - 1):
```

```
for j in range(0, m+n - 1 - i):  
    if nums1[j] > nums1[j + 1]:  
        temp = nums1[j]  
        nums1[j] = nums1[j + 1]  
        nums1[j + 1] = temp
```

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