

# [每日 LeetCode] 88. Merge Sorted Array

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原文链接: <https://ld246.com/article/1553006478498>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

Description:

Given two sorted integer arrays `nums1` and `nums2`, merge `nums2` into `nums1` as one sorted array.

**Note:**

- The number of elements initialized in `nums1` and `nums2` are `m` and `n` respectively.
- You may assume that `nums1` has enough space (size that is greater or equal to `m + n`) to hold additional elements from `nums2`.

**Example:**

Input:

`nums1 = [1,2,3,0,0,0]`, `m = 3`

`nums2 = [2,5,6]`, `n = 3`

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

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思路：本题要求合并有序数组。考虑简单粗暴的方法，三行代码搞定，把第二个数组插入到第一个数后面，然后对第一个数组进行排序。

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C++代码

```
class Solution {
public:
    void merge(vector<int>& nums1, int m, vector<int>& nums2, int n) {
        for(int i=0; i<n; i++){
            nums1[m+i] = nums2[i];
        }
        sort(nums1.begin(),nums1.end());
    }
};
```

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运行时间：12ms

运行内存：8.9M