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## 283. Move Zeroes

Easy

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Given an integer array `nums`, move all `0`'s to the end of it while maintaining the relative order of the non-zero elements.

**Note** that you must do this in-place without making a copy of the array.

### Example 1:

Input: `nums = [0,1,0,3,12]`

Output: `[1,3,12,0,0]`

### Example 2:

Input: `nums = [0]`

Output: `[0]`

### Constraints:

- $1 \leq \text{nums.length} \leq 10^4$
- $-2^{31} \leq \text{nums}[i] \leq 2^{31} - 1$

```
1 class Solution {  
2 public:  
3     void moveZeroes(vector<int>& nums) {  
4  
5     }  
6 };
```

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