Move Zeroes

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:

a. 1 <= nums.length <= 10^4

b. -2^31 <= nums[i] <= 2^31 - 1

Solution:

```
class Solution {
public:
    void moveZeroes(vector<int>& nums) {

       int len = nums.size();
        int i = 0;
        int j = 1;
        while( j < len){
            if(nums[i]==0 && nums[j]!=0){
                swap(nums[i],nums[j]);
                i++;
                j++;
            }
            else if(nums[i]==0 && nums[j]==0){
                j++;
            }
            else{
                i++;
                j++;
            }
        }
```

```
    }
};
```