

238. Product of Array Except Self

```
class Solution {
public:
    vector<int> productExceptSelf(vector<int>& nums) {
        vector<int> arr;
        int prod = 1;
        int count = 0;
        for(int i=0;i<nums.size();i++){
            prod*=nums[i];
            if(nums[i]==0) count++;
        }

        for(int i=0;i<nums.size();i++){
            if(count>=2){
                arr.push_back(0);
            }
            else if(count==1){

                int prod = 1;
                for(int j=0;j<nums.size();j++){
                    if(j==i) continue;
                    else{
                        prod*=nums[j];
                    }
                }
                arr.push_back(prod);
            }
            else if(count == 0){
                arr.push_back(prod/nums[i]);
            }
        }
        return arr;
    }
};
```

88. Merge Sorted Array

```
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());
    }
};
```