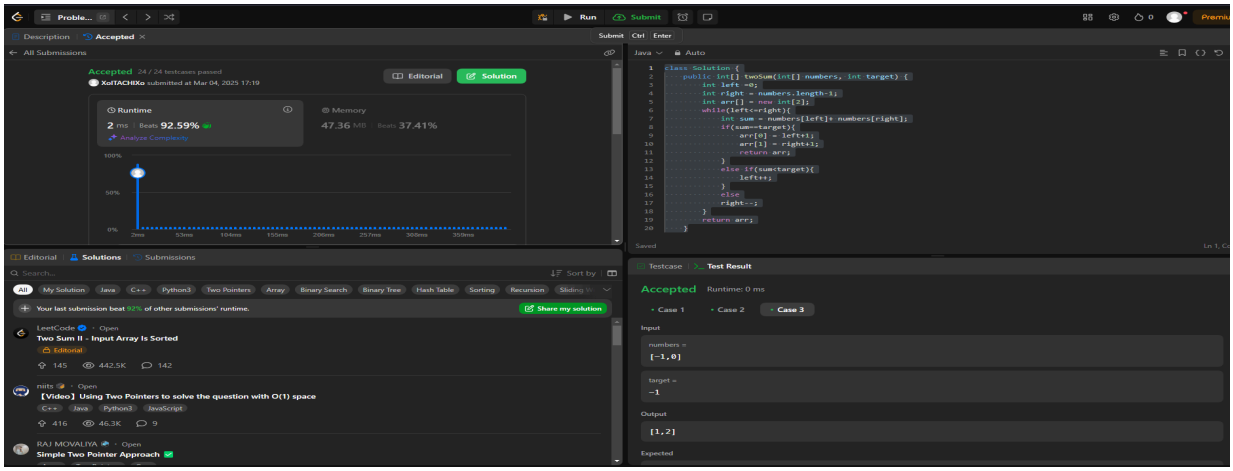
LEETCODE BOOTCAMP
SECTION - A

Name: Aryan Ajmera NetID: aa12904

Question 1:

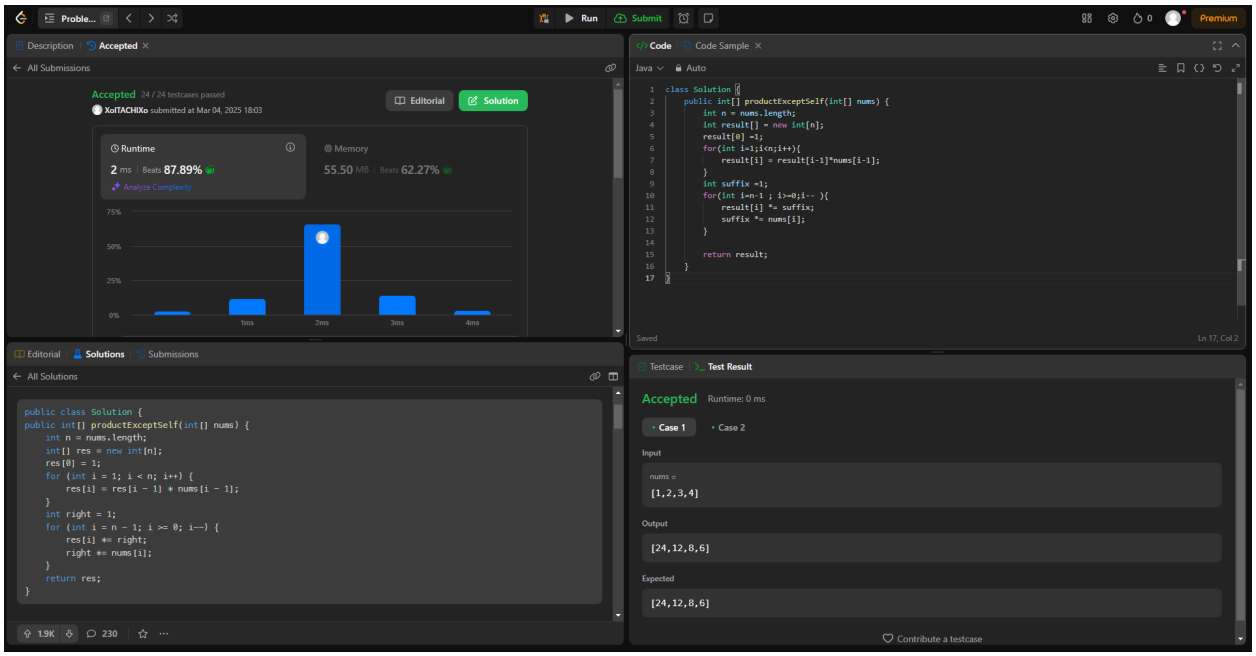
```java
class Solution {
    public int[] twoSum(int[] numbers, int target) {
        int left =0;
        int right = numbers.length-1;
        int arr[] = new int[2];
        while(left<=right){
            int sum = numbers[left]+ numbers[right];
            if(sum==target){
                arr[0] = left+1;
                arr[1] = right+1;
                return arr;
            }
            else if(sum<target){
                left++;
            }
            else
            right--;
        }
        return arr;
    }
```



Question 2

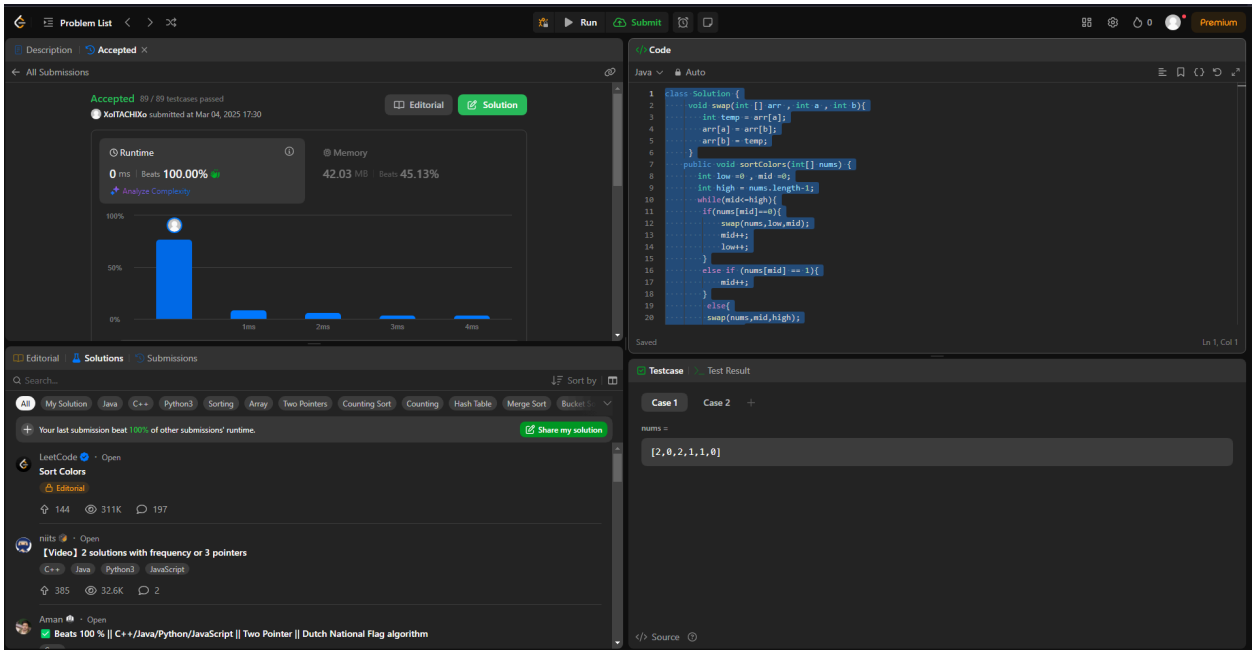
```java
class Solution {
    public int[] productExceptSelf(int[] nums) {
        int n = nums.length;
        int result[] = new int[n];
        result[0] =1;
        for(int i=1;i<n;i++){
            result[i] = result[i-1]*nums[i-1];
        }
        int suffix =1;
        for(int i=n-1 ; i>=0;i-- ){
            result[i] *= suffix;
            suffix *= nums[i];
        }

        return result;
    }
}
```



Question3:

```
class Solution {
     void swap(int [] arr , int a , int b){
        int temp = arr[a];
        arr[a] = arr[b];
        arr[b] = temp;
     }
    public void sortColors(int[] nums) {
       int low =0 , mid =0;
       int high = nums.length-1;
       while(mid<=high){
        if(nums[mid]==0){
            swap(nums,low,mid);
            mid++;
            low++;
        }
        else if (nums[mid] == 1){
            mid++;
        }
         else{
         swap(nums,mid,high);
         high--;
         }
       }
    }
}
```


Problem List
Run
Submit
Premium
Description
Accepted
All Submissions
Accepted 89 / 89 testcases passed
XolTACHIXo submitted at Mar 04, 2025 17:30
Editorial
Solution
Runtime
0 ms | Beats 100.00%
Analyze Complexity
Memory
42.03 MB | Beats 45.13%
100%
50%
0%
1ms
2ms
3ms
4ms
Code
Java
Auto
class Solution {
void swap(int [] arr , int a , int b){
int temp = arr[a];
arr[a] = arr[b];
arr[b] = temp;
}
public void sortColors(int[] nums) {
int low =0 , mid =0;
int high = nums.length-1;
while(mid<=high){
if(nums[mid]==0){
swap(nums,low,mid);
mid++;
low++;
}
else if (nums[mid] == 1){
mid++;
}
else{
swap(nums,mid,high);
Saved
Ln 1, Col 1
Editorial
Solutions
Submissions
Search...
Sort by
All
My Solution
Java
C++
Python3
Sorting
Array
Two Pointers
Counting Sort
Counting
Hash Table
Merge Sort
Your last submission beat 100% of other submissions' runtime.
Share my solution
LeetCode
Open
Sort Colors
Editorial
144
311K
197
niits
Open
【Video】2 solutions with frequency or 3 pointers
C++
Java
Python3
JavaScript
385
32.6K
2
Aman
Open
Beats 100 % || C++/Java/Python/JavaScript || Two Pointer || Dutch National Flag algorithm
Testcase
Test Result
Case 1
Case 2
nums =
[2,0,2,1,1,0]
Source