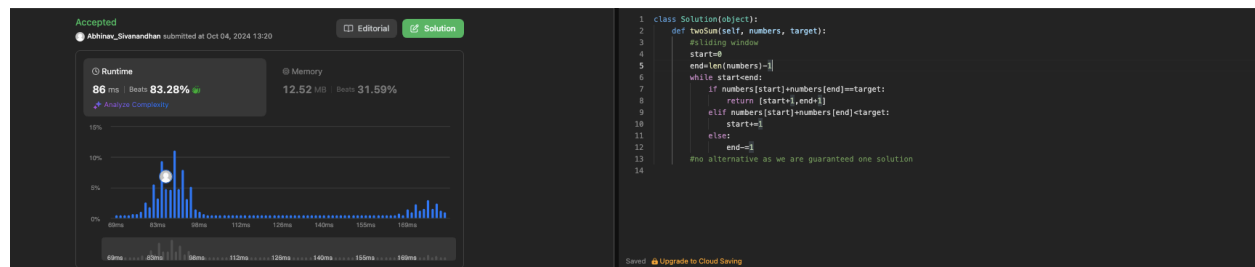


### Problem 1:

<https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/description/>

Two pointer approach

```
class Solution(object):
    def twoSum(self, numbers, target):
        #sliding window
        start=0
        end=len(numbers)-1
        while start<end:
            if numbers[start]+numbers[end]==target:
                return [start+1,end+1]
            elif numbers[start]+numbers[end]<target:
                start+=1
            else:
                end-=1
        #no alternative as we are guaranteed one solution
```



### Problem 2:

<https://leetcode.com/problems/product-of-array-except-self/>

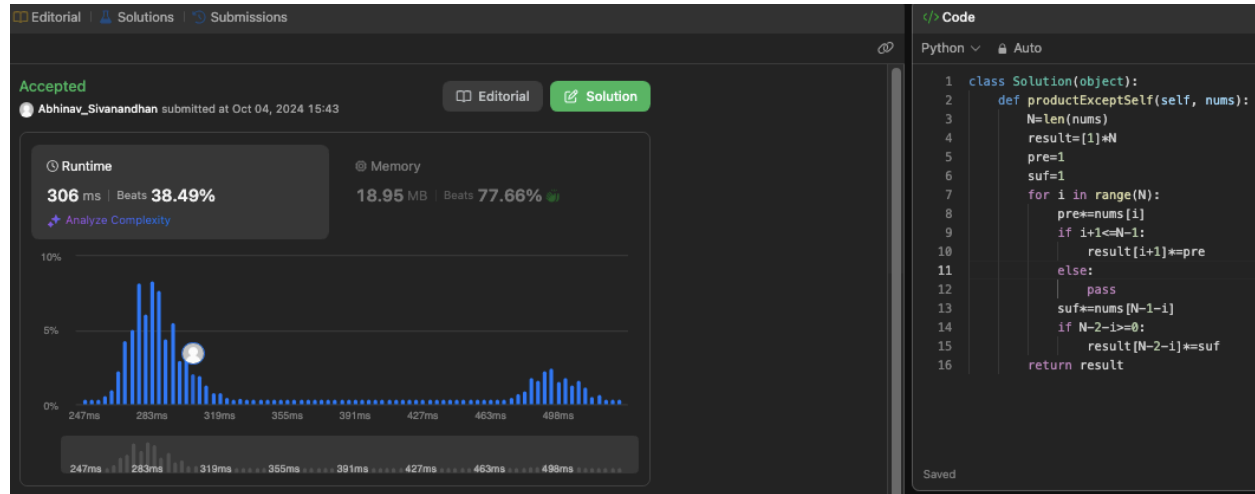
Sliding window approach

```
class Solution(object):
    def productExceptSelf(self, nums):
        N=len(nums)
        result=[1]*N
        pre=1
        suf=1
        for i in range(N):
            pre*=nums[i]
            if i+1<=N-1:
                result[i+1]*=pre
            else:
```

```

        pass
    suf*=nums[N-1-i]
    if N-2-i>=0:
        result[N-2-i]*=suf
return result

```



### Problem3:

```

class Solution(object):
    def sortColors(self, nums):
        """
        :type nums: List[int]
        :rtype: None Do not return anything, modify nums in-place instead.
        """
        d={0:0, 1:0, 2:0}
        for num in nums:
            d[num]+=1
        for i in range(len(nums)):
            if d[0]>0:
                nums[i]=0
                d[0]-=1
            elif d[1]>0:
                nums[i]=1
                d[1]-=1
            else:
                nums[i]=2
                # d[2]-=2 #not needed for our logic

```

Accepted

Abhinav\_Sivanandhan submitted at Oct 04, 2024 19:47

Editorial

Solution


Runtime

18 ms Beats: 56.23%

Analyze Complexity

@ Memory

11.56 MB Beats: 68.52%



Code | Python

```
class Solution(object):
    def sortColors(self, nums):
        """
        :type nums: List[int]
        :type: None Do not return anything, modify nums in-place instead.
        """
        d={0:0, 1:0, 2:0}
        for num in nums:
```

View more

More challenges

148. Sort List

280. Wiggle Sort

324. Wiggle Sort II

Write your notes here

```
1 class Solution(object):
2     def sortColors(self, nums):
3         """
4         :type nums: List[int]
5         :type: None Do not return anything, modify nums in-place instead.
6         """
7         d={0:0, 1:0, 2:0}
8         for num in nums:
9             d[num]+=1
10        for i in range(len(nums)):
11            if d[0]>0:
12                nums[i]=0
13            elif d[1]>0:
14                nums[i]=1
15            elif d[2]>0:
16                nums[i]=2
17            else:
18                # d[i]==0 must needed for our logic
19
20
```

Saved

Testcase

Test Result

Accepted

Runtime: 4 ms

Case 1

Case 2

Input

nums = [2,0,2,1,1,0]

Output

[0,0,1,1,2,2]

Expected

[0,0,1,1,2,2]