Fwd: - bhuvanshankar.k.20 | online c compiler - Yahoo | Online C Compiler | ChatGPT | leetcode - Yahoo India Sea | Middle of the Linked List -

leetcode.com/problems/middle-of-the-linked-list/

Problem List

Premium

Description | Editorial | Solutions (10.5K) | Submissions

876. Middle of the Linked List

Easy 10K 292

Companies

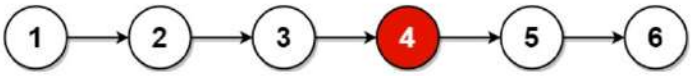
Given the `head` of a singly linked list, return *the middle node of the linked list*.

If there are two middle nodes, return **the second middle** node.

Example 1:


```
Input: head = [1,2,3,4,5]
Output: [3,4,5]
Explanation: The middle node of the list is node 3.
```

Example 2:




```
Input: head = [1,2,3,4,5,6]
Output: [4,5,6]
```

C | Auto

```c
struct ListNode* middleNode(struct ListNode* head){
    struct ListNode* p1 = head;
    struct ListNode* p2 = head;
    if(head == NULL) return NULL;
    else {
        while(p2 != NULL && p2->next != NULL) {
            p2 = p2->next->next;
            p1 = p1->next;
        }
        return p1;
    }
}
```

Testcase | Result

Accepted Runtime: 0 ms

Case 1 | Case 2

Input

head =

[1,2,3,4,5]

Output

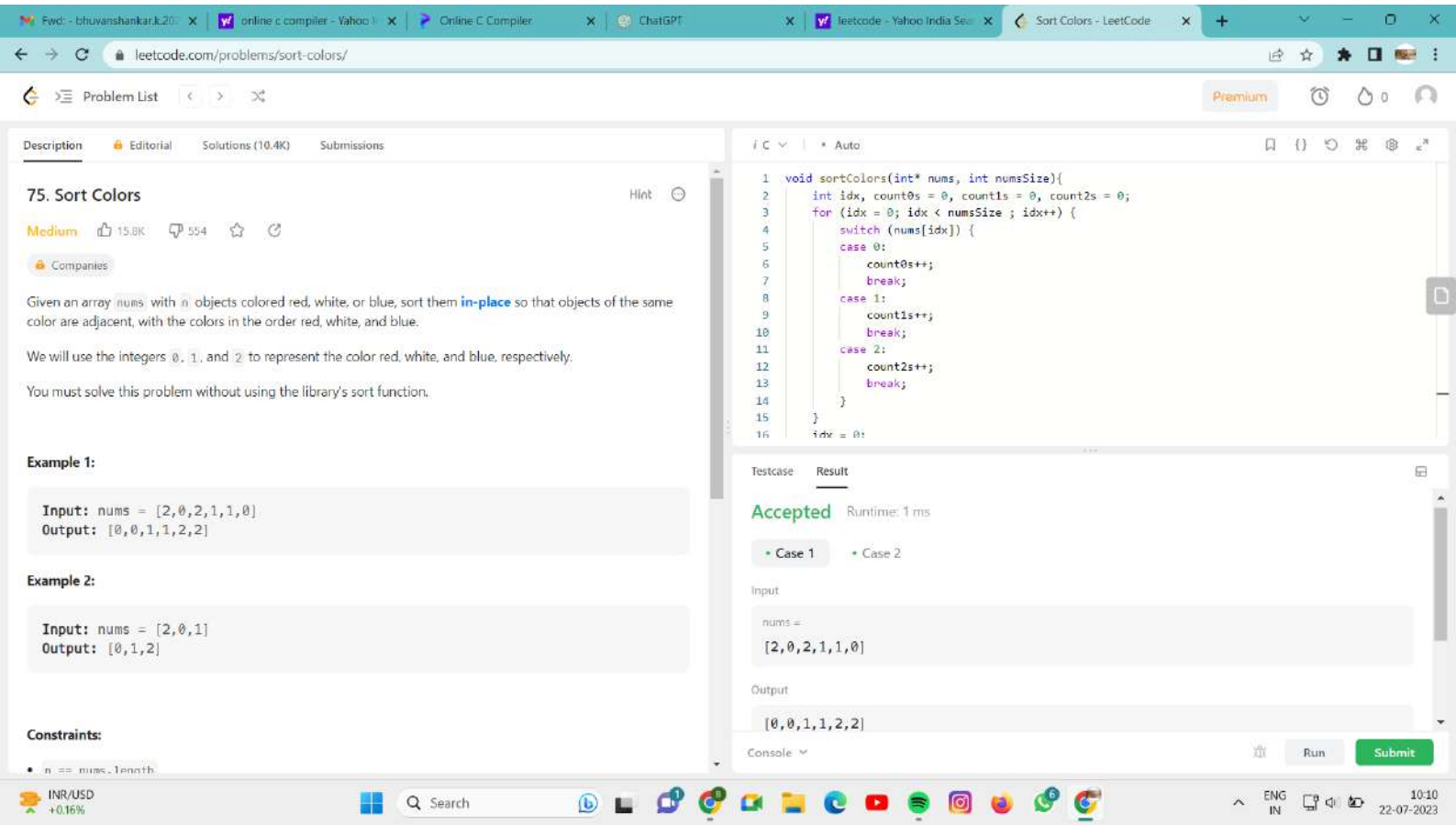
Console

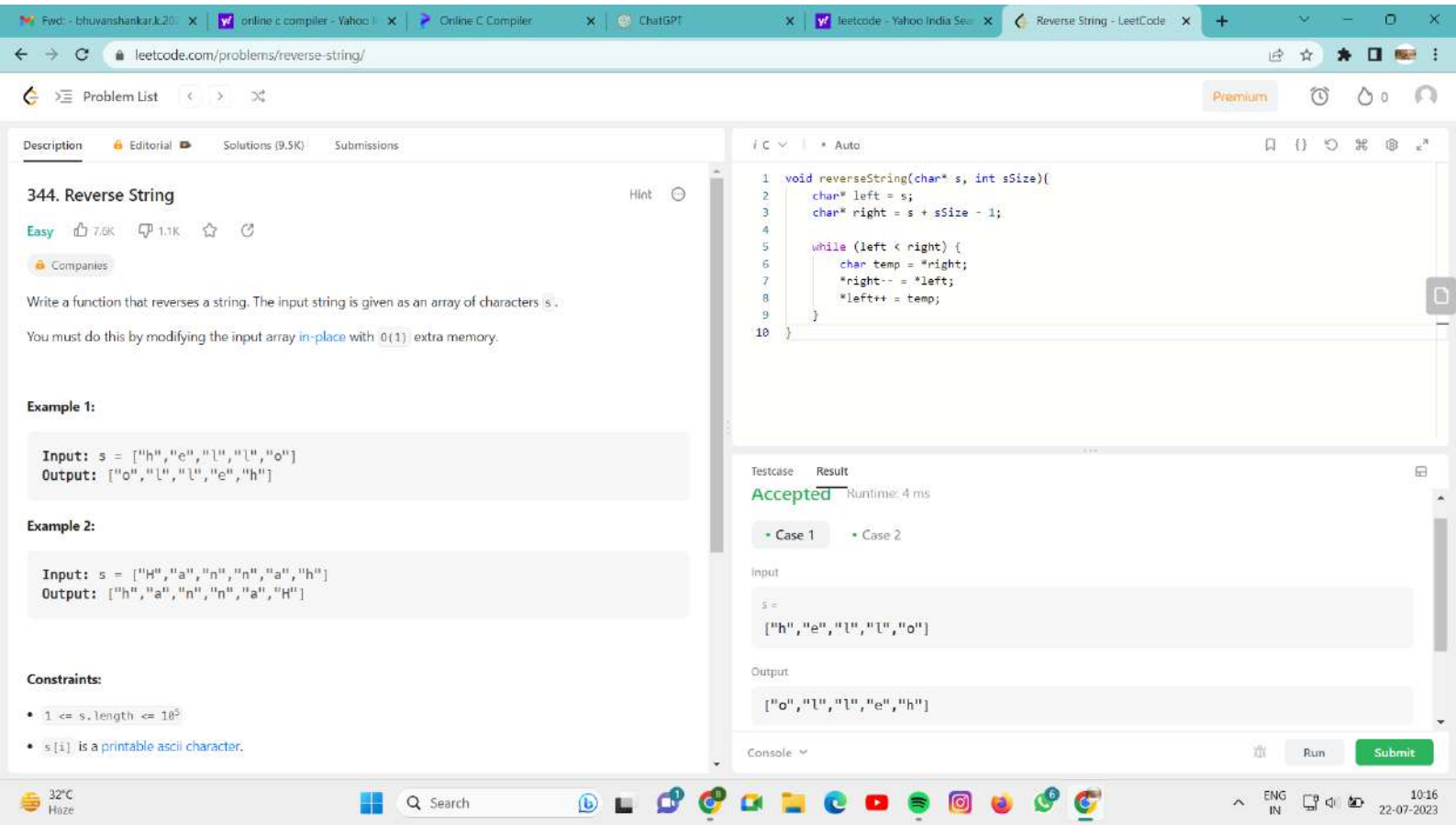
Run | Submit

32°C Haze

Search

ENG IN 10:07 22-07-2023


Fwd: - bhuvanshankark.20
online c compiler - Yahoo
Online C Compiler
ChatGPT
leetcode - Yahoo India Sea
Sort Colors - LeetCode
leetcode.com/problems/sort-colors/
Problem List
Premium
Description
Editorial
Solutions (10.4K)
Submissions
75. Sort Colors
Hint
Medium
15.8K
554
Companies
Given an array nums with n objects colored red, white, or blue, sort them in-place so that objects of the same color are adjacent, with the colors in the order red, white, and blue.
We will use the integers 0, 1, and 2 to represent the color red, white, and blue, respectively.
You must solve this problem without using the library's sort function.
Example 1:
Input: nums = [2,0,2,1,1,0]
Output: [0,0,1,1,2,2]
Example 2:
Input: nums = [2,0,1]
Output: [0,1,2]
Constraints:
n == nums.length
C
Auto
void sortColors(int* nums, int numsSize){
int idx, count0s = 0, count1s = 0, count2s = 0;
for (idx = 0; idx < numsSize ; idx++) {
switch (nums[idx]) {
case 0:
count0s++;
break;
case 1:
count1s++;
break;
case 2:
count2s++;
break;
}
}
Testcase
Result
Accepted
Runtime: 1 ms
Case 1
Case 2
Input
nums =
[2,0,2,1,1,0]
Output
[0,0,1,1,2,2]
Console
Run
Submit
INR/USD
+0.16%
Search
ENG
IN
10:10
22-07-2023


leetcode.com/problems/reverse-string/
Problem List
Premium
Description
Editorial
Solutions (9.5K)
Submissions
344. Reverse String
Hint
Easy
7.6K
1.1K
Companies
Write a function that reverses a string. The input string is given as an array of characters s.
You must do this by modifying the input array in-place with O(1) extra memory.
Example 1:
Input: s = ["h","e","l","l","o"]
Output: ["o","l","l","e","h"]
Example 2:
Input: s = ["H","a","n","n","a","h"]
Output: ["h","a","n","n","a","H"]
Constraints:
1 <= s.length <= 10^5
s[i] is a printable ascii character.
C
Auto
void reverseString(char* s, int sSize){
char* left = s;
char* right = s + sSize - 1;
while (left < right) {
char temp = *right;
*right-- = *left;
*left++ = temp;
}
}
Testcase
Result
Accepted
Runtime: 4 ms
Case 1
Case 2
Input
s =
["h","e","l","l","o"]
Output
["o","l","l","e","h"]
Console
Run
Submit
32°C
Haze
Search
ENG
IN
10:16
22-07-2023

Fwd: - bhuvanshankark.2021.adi | Online C Compiler | Container With Most Water - Lee

leetcode.com/problems/container-with-most-water/

Problem List

Premium

Description | Editorial | Solutions (8.5K) | Submissions

11. Container With Most Water

Hint

Medium 25.4K 1.4K

Companies

You are given an integer array `height` of length `n`. There are `n` vertical lines drawn such that the two endpoints of the `i`th line are `(i, 0)` and `(i, height[i])`.

Find two lines that together with the x-axis form a container, such that the container contains the most water.

Return *the maximum amount of water a container can store.*

Notice that you may not slant the container.

Example 1:

C | Auto

```c
int maxArea(int* arr, int N){
    int max = 0,test,i=0,j=N-1;
    while(j>i){
        test = arr[i];
        if(test>arr[j]) test = arr[j];
        test = (j - i) * test;
        if(max < test) max = test;
        if(arr[i] < arr[j]) i++ ;
        else j--;
    }
    return max;
}
```

Testcase | Result

Accepted Runtime: 5 ms

Case 1 | Case 2

Input

height =

[1,8,6,2,5,4,8,3,7]

Output

49

Console

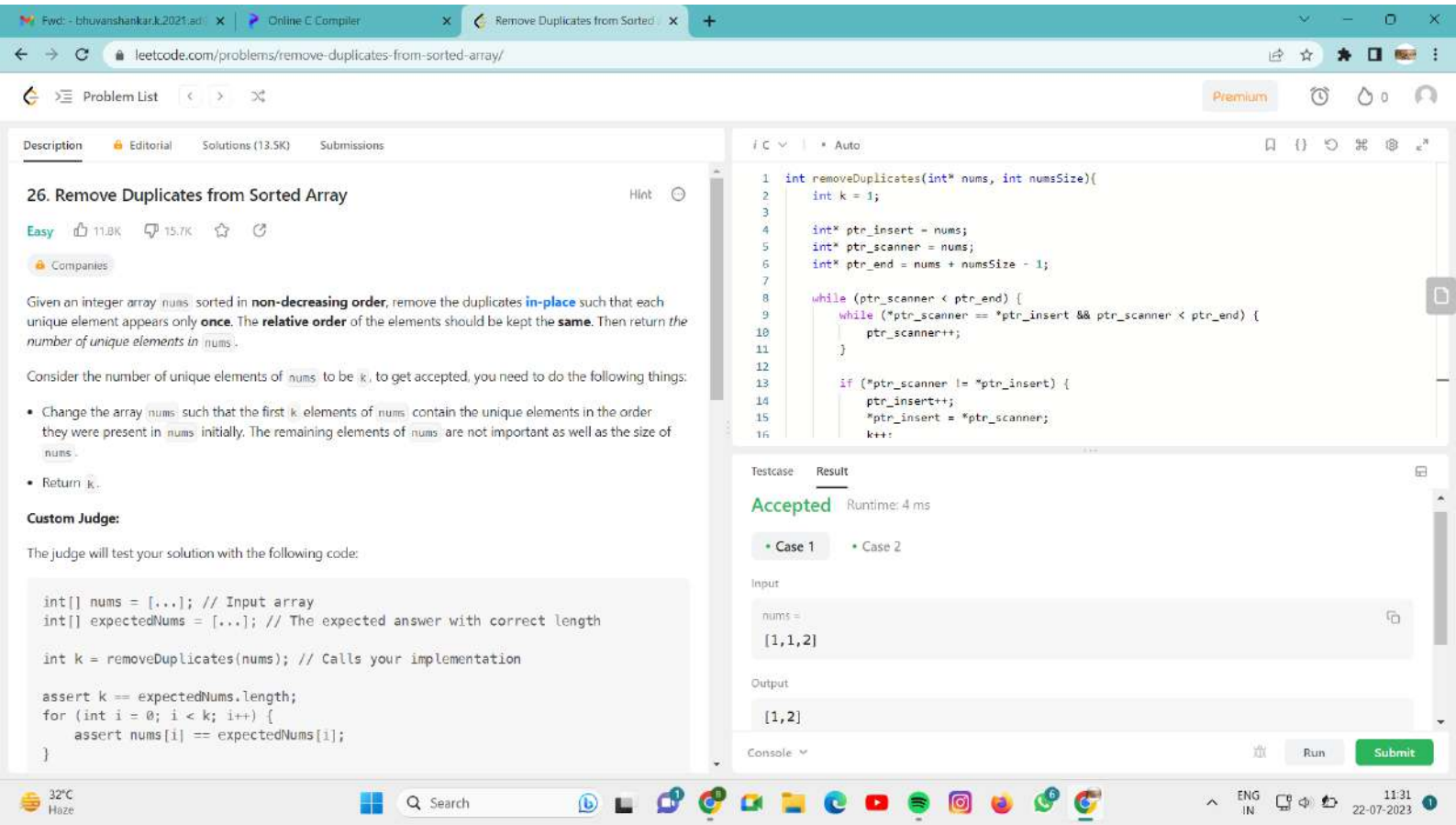
Run | Submit

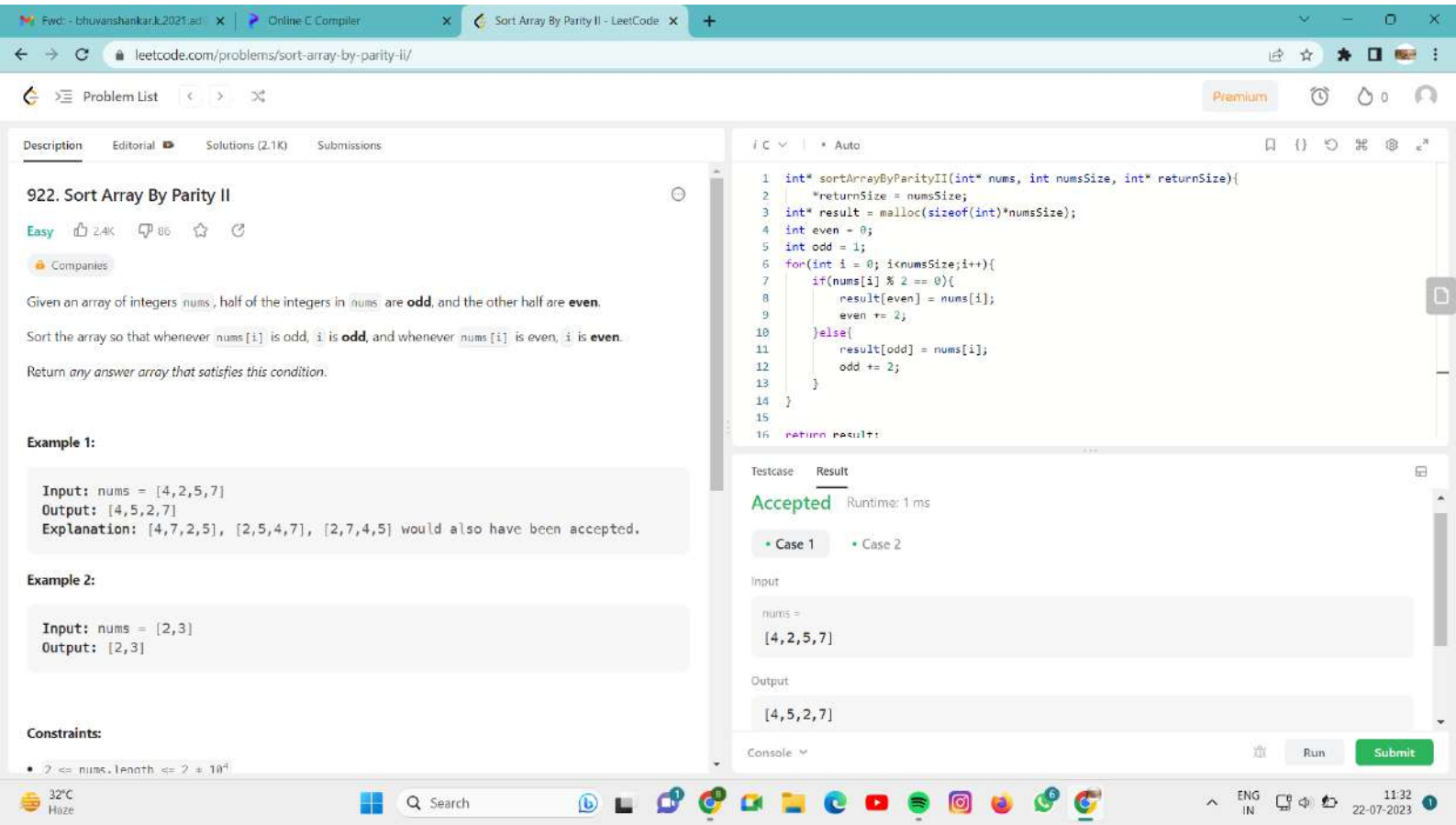
32°C Haze

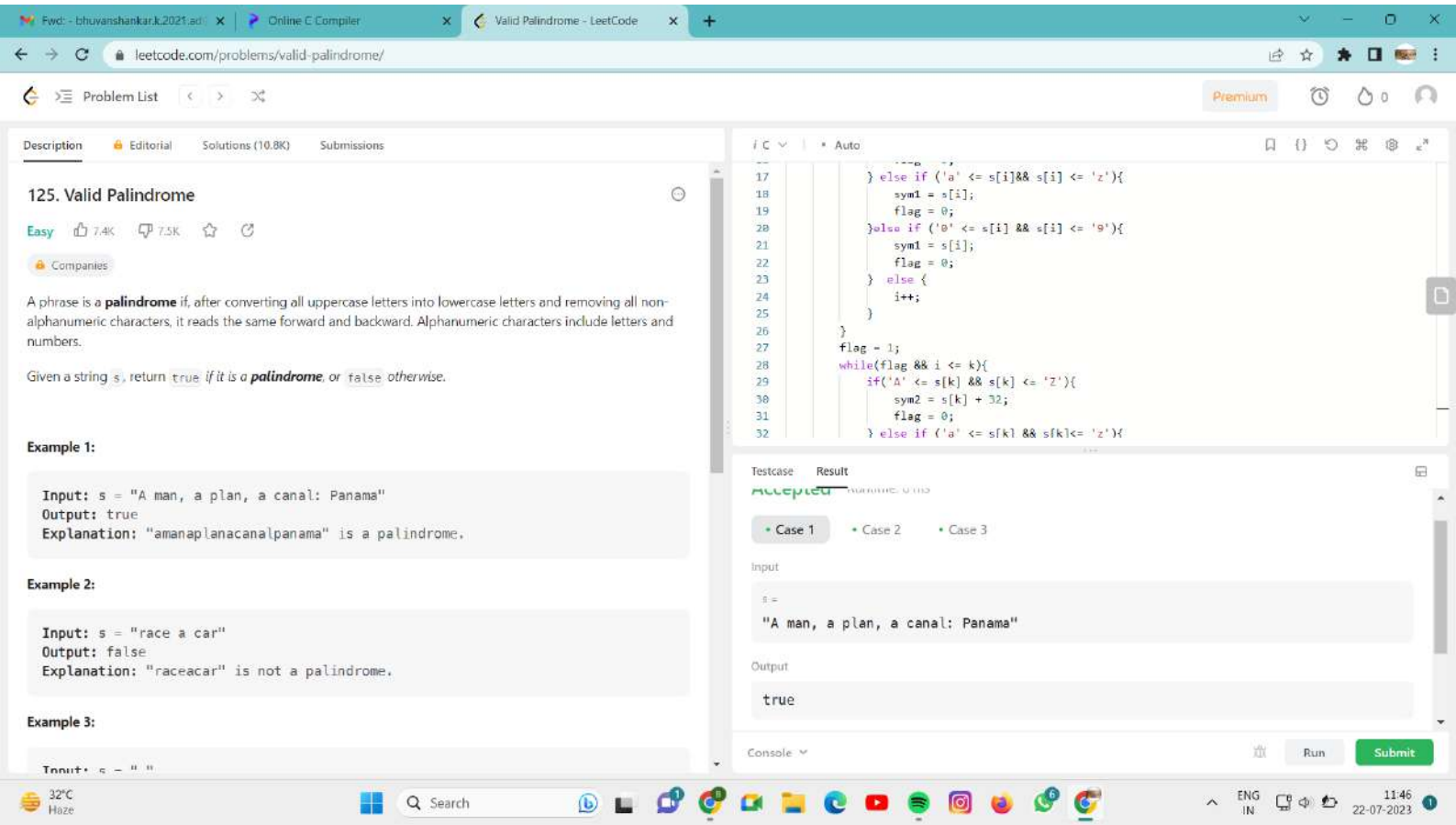
Search

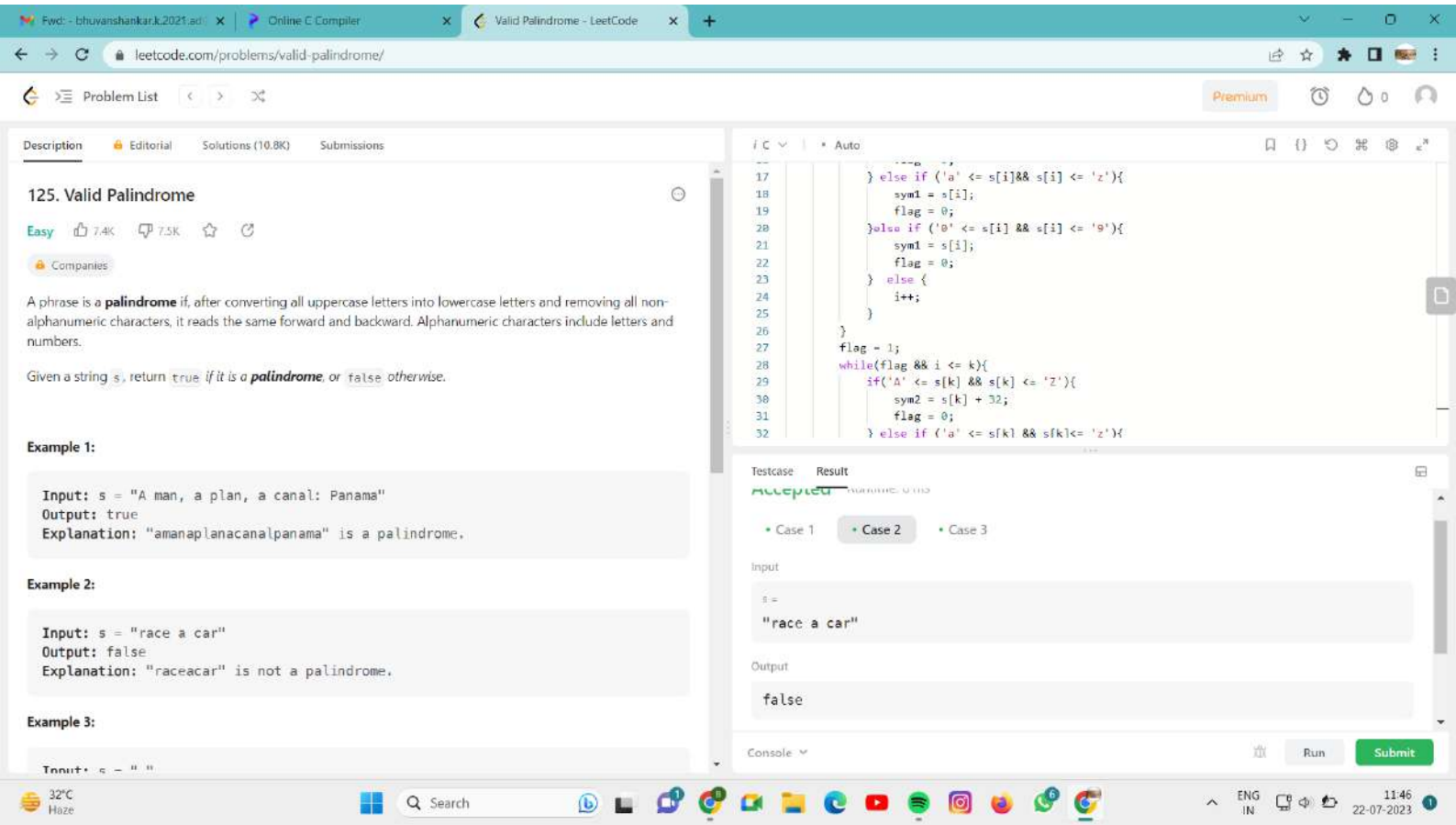
ENG IN

11:17 22-07-2023


Fwd: - bhuvanshankar.k.2021.ad
Online C Compiler
Remove Duplicates from Sorted
leetcode.com/problems/remove-duplicates-from-sorted-array/
Problem List
Premium
Description
Editorial
Solutions (13.5K)
Submissions
26. Remove Duplicates from Sorted Array
Hint
Easy
11.8K
15.7K
Companies
Given an integer array nums sorted in non-decreasing order, remove the duplicates in-place such that each unique element appears only once. The relative order of the elements should be kept the same. Then return the number of unique elements in nums.
Consider the number of unique elements of nums to be k, to get accepted, you need to do the following things:
Change the array nums such that the first k elements of nums contain the unique elements in the order they were present in nums initially. The remaining elements of nums are not important as well as the size of nums.
Return k.
Custom Judge:
The judge will test your solution with the following code:
int[] nums = [...]; // Input array
int[] expectedNums = [...]; // The expected answer with correct length
int k = removeDuplicates(nums); // Calls your implementation
assert k == expectedNums.length;
for (int i = 0; i < k; i++) {
assert nums[i] == expectedNums[i];
}
C
Auto
int removeDuplicates(int* nums, int numsSize){
int k = 1;
int* ptr_insert = nums;
int* ptr_scanner = nums;
int* ptr_end = nums + numsSize - 1;
while (ptr_scanner < ptr_end) {
while (*ptr_scanner == *ptr_insert && ptr_scanner < ptr_end) {
ptr_scanner++;
}
if (*ptr_scanner != *ptr_insert) {
ptr_insert++;
*ptr_insert = *ptr_scanner;
Testcase
Result
Accepted
Runtime: 4 ms
Case 1
Case 2
Input
nums =
[1,1,2]
Output
[1,2]
Console
Run
Submit
32°C
Haze
Search
ENG
IN
11:31
22-07-2023


Fwd: - bhuvanshankark.2021.adi
Online C Compiler
Sort Array By Parity II - LeetCode
leetcode.com/problems/sort-array-by-parity-ii/
Problem List
Premium
Description
Editorial
Solutions (2.1K)
Submissions
922. Sort Array By Parity II
Easy
2.4K
86
Companies
Given an array of integers nums, half of the integers in nums are odd, and the other half are even.
Sort the array so that whenever nums[i] is odd, i is odd, and whenever nums[i] is even, i is even.
Return any answer array that satisfies this condition.
Example 1:
Input: nums = [4,2,5,7]
Output: [4,5,2,7]
Explanation: [4,7,2,5], [2,5,4,7], [2,7,4,5] would also have been accepted.
Example 2:
Input: nums = [2,3]
Output: [2,3]
Constraints:
2 <= nums.length <= 2 * 10^4
C
Auto
int* sortArrayByParityII(int* nums, int numsSize, int* returnSize){
*returnSize = numsSize;
int* result = malloc(sizeof(int)*numsSize);
int even = 0;
int odd = 1;
for(int i = 0; i<numsSize;i++){
if(nums[i] % 2 == 0){
result[even] = nums[i];
even += 2;
}else{
result[odd] = nums[i];
odd += 2;
}
}
return result;
Testcase
Result
Accepted
Runtime: 1 ms
Case 1
Case 2
Input
nums =
[4,2,5,7]
Output
[4,5,2,7]
Console
Run
Submit
32°C
Haze
Search
ENG
IN
11:32
22-07-2023


Fwd: - bhuvanshankark.2021.adi
Online C Compiler
Valid Palindrome - LeetCode
leetcode.com/problems/valid-palindrome/
Problem List
Premium
Description
Editorial
Solutions (10.8K)
Submissions
125. Valid Palindrome
Easy
7.4K
7.5K
Companies
A phrase is a palindrome if, after converting all uppercase letters into lowercase letters and removing all non-alphanumeric characters, it reads the same forward and backward. Alphanumeric characters include letters and numbers.
Given a string s, return true if it is a palindrome, or false otherwise.
Example 1:
Input: s = "A man, a plan, a canal: Panama"
Output: true
Explanation: "amanaplanacanalpanama" is a palindrome.
Example 2:
Input: s = "race a car"
Output: false
Explanation: "raceacar" is not a palindrome.
Example 3:
C
Auto
} else if ('a' <= s[i]&& s[i] <= 'z'){
sym1 = s[i];
flag = 0;
}else if ('0' <= s[i] && s[i] <= '9'){
sym1 = s[i];
flag = 0;
} else {
i++;
}
}
flag = 1;
while(flag && i <= k){
if('A' <= s[k] && s[k] <= 'Z'){
sym2 = s[k] + 32;
flag = 0;
} else if ('a' <= s[k] && s[k]<= 'z'){
Testcase
Result
Case 1
Case 2
Case 3
Input
"A man, a plan, a canal: Panama"
Output
true
Console
Run
Submit
32°C
Haze
Search
ENG
IN
11:46
22-07-2023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Online C Compiler
Valid Palindrome - LeetCode
leetcode.com/problems/valid-palindrome/
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}
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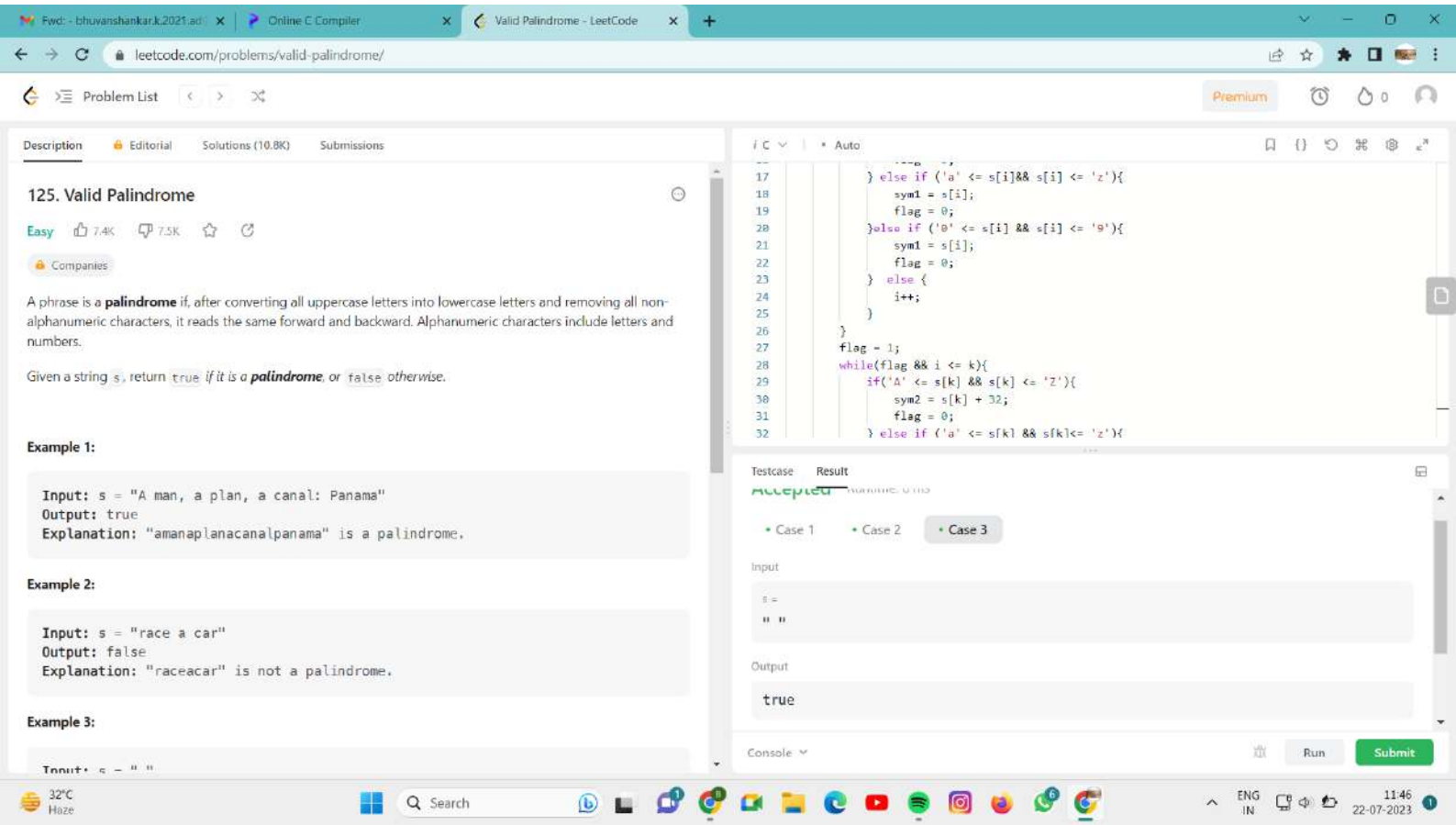
sym2 = s[k] + 32;
flag = 0;
} else if ('a' <= s[k] && s[k]<= 'z'){
Testcase
Result
Case 1
Case 2
Case 3
Input
s =
"race a car"
Output
false
Console
Run
Submit
32°C
Haze
Search
ENG
IN
11:46
22-07-2023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sym2 = s[k] + 32;
flag = 0;
} else if ('a' <= s[k] && s[k]<= 'z'){
Testcase
Result
Case 1
Case 2
Case 3
Input
s =
" "
Output
true
Console
Run
Submit
32°C
Haze
Search
ENG
IN
11:46
22-07-2023