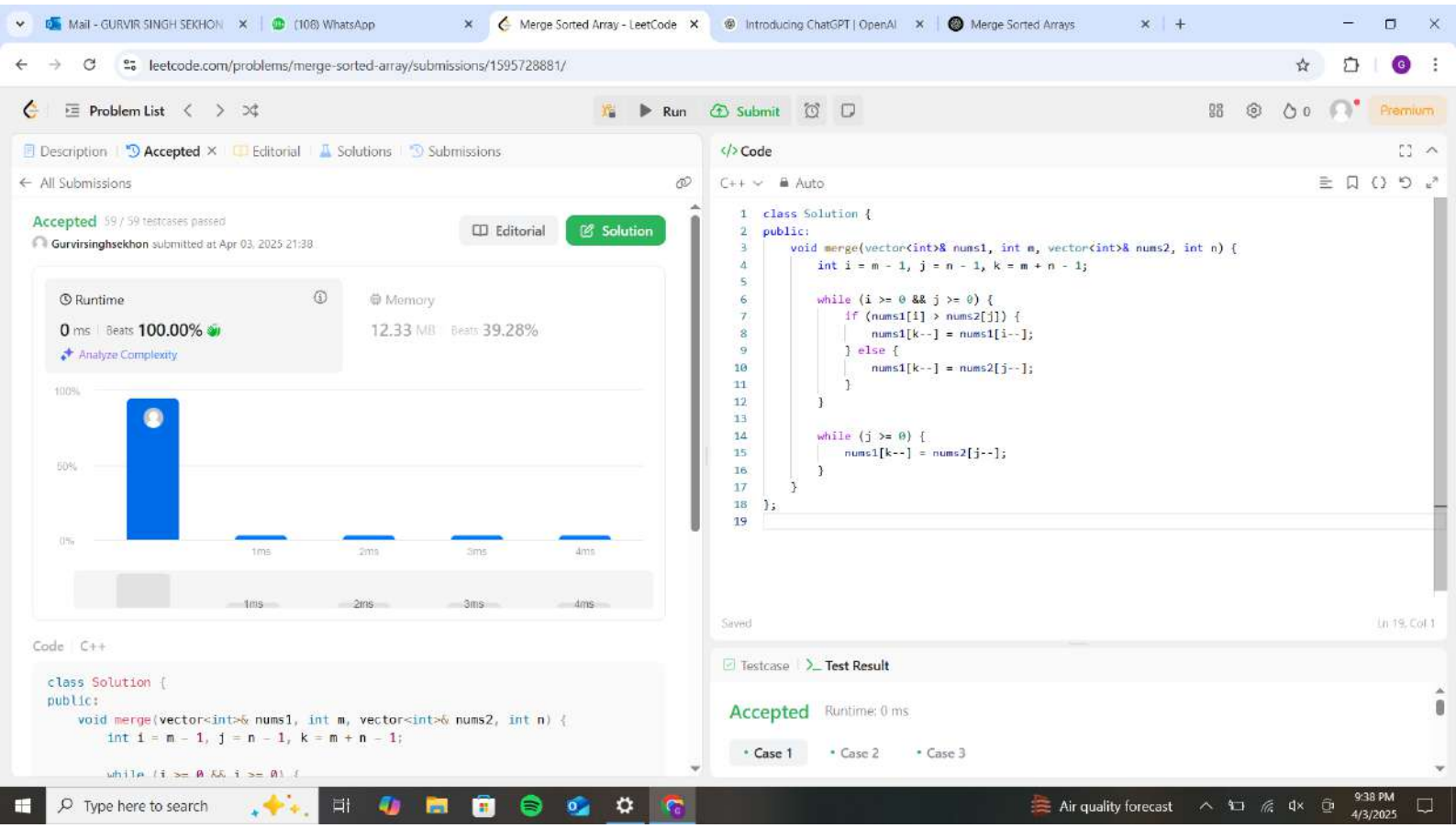

Mail - GURVIR SINGH SEKHON
(108) WhatsApp
Merge Sorted Array - LeetCode
Introducing ChatGPT | OpenAI
Merge Sorted Arrays
leetcode.com/problems/merge-sorted-array/submissions/1595728881/
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 59 / 59 testcases passed
Gurvirsinghsekhon submitted at Apr 03, 2025 21:38
Editorial
Solution
Runtime
0 ms | Beats 100.00%
Analyze Complexity
Memory
12.33 MB | Beats 39.28%
100%
50%
0%
1ms
2ms
3ms
4ms
Code | C++
class Solution {
public:
void merge(vector<int>& nums1, int m, vector<int>& nums2, int n) {
int i = m - 1, j = n - 1, k = m + n - 1;
Code
C++
Auto
class Solution {
public:
void merge(vector<int>& nums1, int m, vector<int>& nums2, int n) {
int i = m - 1, j = n - 1, k = m + n - 1;
while (i >= 0 && j >= 0) {
if (nums1[i] > nums2[j]) {
nums1[k--] = nums1[i--];
} else {
nums1[k--] = nums2[j--];
}
}
while (j >= 0) {
nums1[k--] = nums2[j--];
}
}
};
Saved
Ln 19, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Type here to search
Air quality forecast
9:38 PM
4/3/2025

Mail - GURVIR SINGH SEKHON | (108) WhatsApp | First Bad Version - LeetCode | Introducing ChatGPT | OpenAI | Merge Sorted Arrays

leetcode.com/problems/first-bad-version/submissions/1595730185/

Problem List | Run | Submit | Premium

Description | Accepted | Editorial | Solutions | Submissions

All Submissions

Accepted 24 / 24 testcases passed

Gurvirsinghsekhon submitted at Apr 03, 2025 21:39

Editorial | Solution

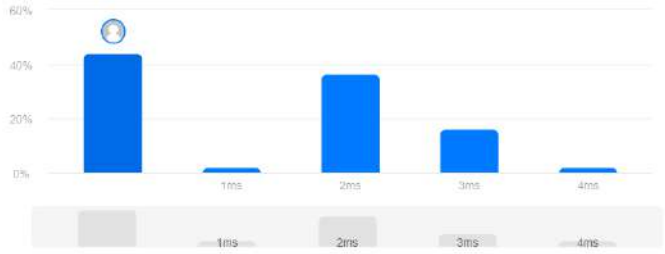
Runtime

0 ms | Beats 100.00%

Analyze Complexity

Memory

7.76 MB | Beats 93.52%



Code | C++

```cpp
// The API isBadVersion is defined for you.
// bool isBadVersion(int version);

class Solution {
public:
    int firstBadVersion(int n) {
```

Code

C++ | Auto

```cpp
// The API isBadVersion is defined for you.
// bool isBadVersion(int version);

class Solution {
public:
    int firstBadVersion(int n) {
        int left = 1, right = n;
        while (left < right) {
            int mid = left + (right - left) / 2;
            if (isBadVersion(mid)) {
                right = mid;  // Bad version, move left
            } else {
                left = mid + 1;  // Good version, move right
            }
        }
        return left;  // First bad version
    }
};
```

Saved | Ln 19, Col 1

Testcase | Test Result

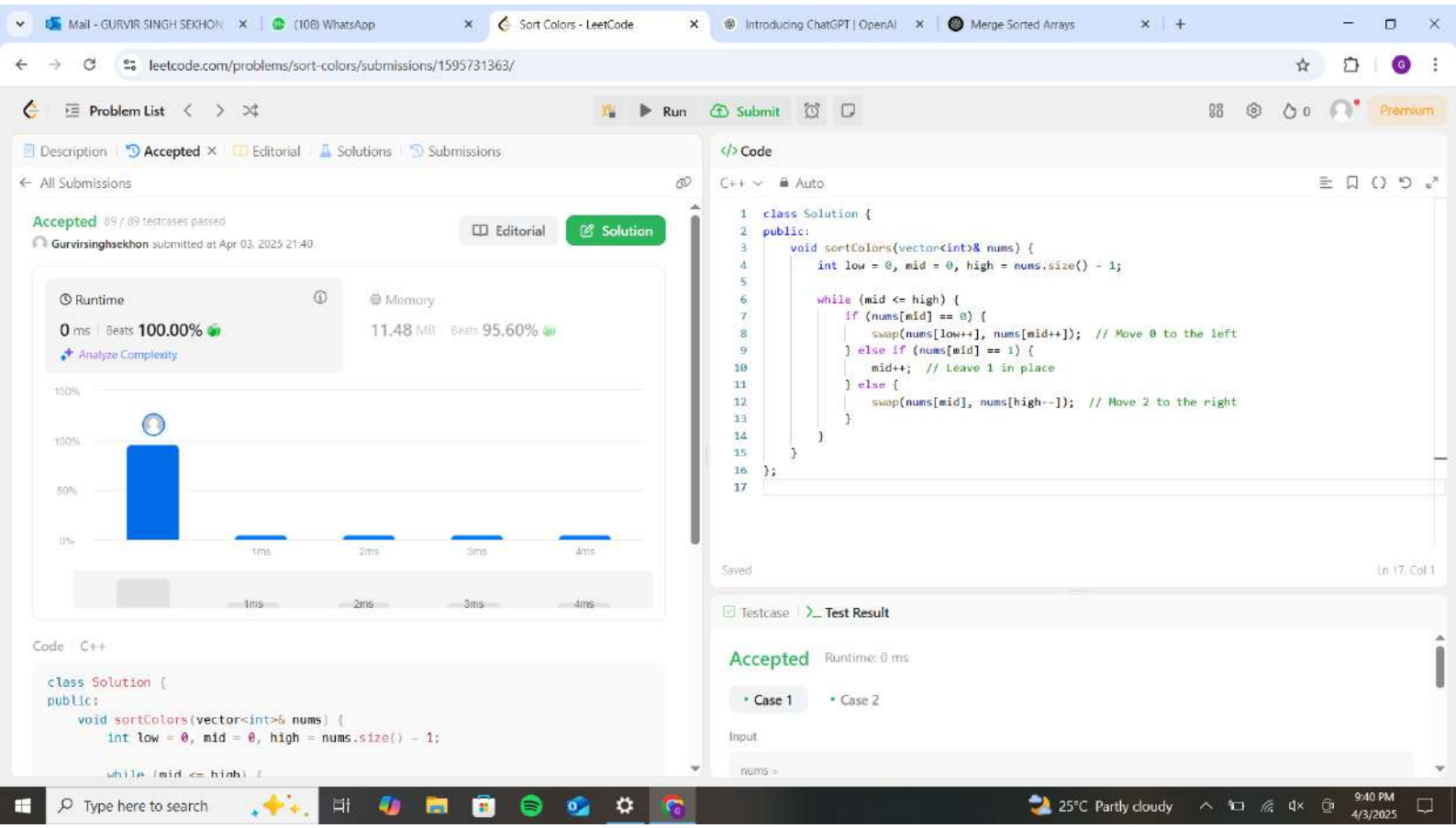
Accepted Runtime: 0 ms

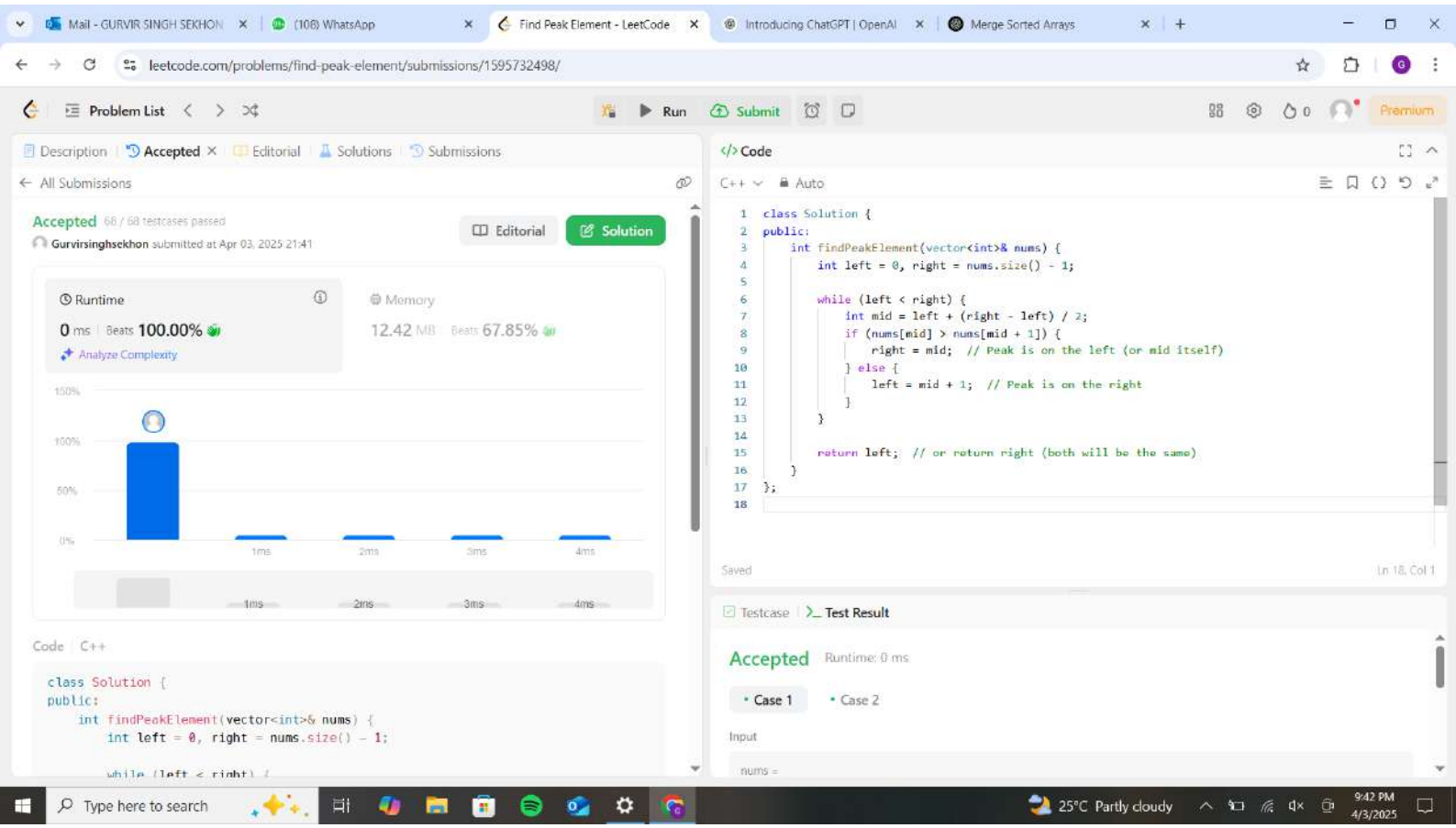
Case 1 | Case 2

Input

n =

Type here to search | Crystal Waters of Kra... | 9:39 PM 4/3/2025


Mail - GURVIR SINGH SEKHON
(108) WhatsApp
Sort Colors - LeetCode
Introducing ChatGPT | OpenAI
Merge Sorted Arrays
leetcode.com/problems/sort-colors/submissions/1595731363/
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 89 / 89 testcases passed
Gurvirsinghsekhon submitted at Apr 03, 2025 21:40
Editorial
Solution
Runtime
0 ms | Beats 100.00%
Analyze Complexity
Memory
11.48 MB | Beats 95.60%
150%
100%
50%
0%
1ms
2ms
3ms
4ms
Code | C++
class Solution {
public:
void sortColors(vector<int>& nums) {
int low = 0, mid = 0, high = nums.size() - 1;
while (mid <= high) {
Code
C++
Auto
class Solution {
public:
void sortColors(vector<int>& nums) {
int low = 0, mid = 0, high = nums.size() - 1;
while (mid <= high) {
if (nums[mid] == 0) {
swap(nums[low++], nums[mid++]); // Move 0 to the left
} else if (nums[mid] == 1) {
mid++; // Leave 1 in place
} else {
swap(nums[mid], nums[high--]); // Move 2 to the right
}
}
}
};
Saved
Ln 17, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Input
nums =
Type here to search
25°C Partly cloudy
9:40 PM
4/3/2025


Mail - GURVIR SINGH SEKHON
(108) WhatsApp
Find Peak Element - LeetCode
Introducing ChatGPT | OpenAI
Merge Sorted Arrays
leetcode.com/problems/find-peak-element/submissions/1595732498/
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 68 / 68 testcases passed
Gurvirsinghsekhon submitted at Apr 03, 2025 21:41
Editorial
Solution
Runtime
0 ms | Beats 100.00%
Analyze Complexity
Memory
12.42 MB | Beats 67.85%
150%
100%
50%
0%
1ms
2ms
3ms
4ms
Code | C++
class Solution {
public:
int findPeakElement(vector<int>& nums) {
int left = 0, right = nums.size() - 1;
while (left < right) {
Code
C++
Auto
class Solution {
public:
int findPeakElement(vector<int>& nums) {
int left = 0, right = nums.size() - 1;
while (left < right) {
int mid = left + (right - left) / 2;
if (nums[mid] > nums[mid + 1]) {
right = mid; // Peak is on the left (or mid itself)
} else {
left = mid + 1; // Peak is on the right
}
}
return left; // or return right (both will be the same)
}
};
Saved
Ln 18, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Input
nums =
Type here to search
25°C Partly cloudy
9:42 PM
4/3/2025

Mail - GURVIR SINGH SEKHON | (108) WhatsApp | Median of Two Sorted Arrays - | Introducing ChatGPT | OpenAI | Merge Sorted Arrays

leetcode.com/problems/median-of-two-sorted-arrays/submissions/1595734030/

Problem List | Run | Submit | Premium

Description | Accepted | Editorial | Solutions | Submissions

All Submissions

Accepted 2096 / 2096 testcases passed

Gurvirsinghsekhon submitted at Apr 03, 2025 21:43

Editorial | Solution

Runtime

0 ms | Beats 100.00%

Analyze Complexity

Memory

95.28 MB | Beats 48.72%

Code | C++

```
class Solution {
public:
    double findMedianSortedArrays(vector<int>& nums1, vector<int>& nums2) {
        if (nums1.size() > nums2.size()) {
            return findMedianSortedArrays(nums2, nums1);  // Ensure nums1 is smal
```

Code

C++ | Auto

```
1  class Solution {
2  public:
3      double findMedianSortedArrays(vector<int>& nums1, vector<int>& nums2) {
4          if (nums1.size() > nums2.size()) {
5              return findMedianSortedArrays(nums2, nums1);  // Ensure nums1 is smaller
6          }
7
8          int m = nums1.size(), n = nums2.size();
9          int left = 0, right = m, halfLen = (m + n + 1) / 2;
10
11         while (left <= right) {
12             int i = left + (right - left) / 2;
13             int j = halfLen - i;
14
15             int nums1Left = (i == 0) ? INT_MIN : nums1[i - 1];
16             int nums1Right = (i == m) ? INT_MAX : nums1[i];
17             int nums2Left = (j == 0) ? INT_MIN : nums2[j - 1];
18             int nums2Right = (j == n) ? INT_MAX : nums2[j];
19
20             if (nums1Left <= nums2Right && nums2Left <= nums1Right) {
21                 if ((m + n) % 2 == 1) {
22                     return max(nums1Left, nums2Left);  // Odd case
23                 } else {
24                     return (max(nums1Left, nums2Left) + min(nums1Right, nums2Right)) / 2.0;  //
Even case
25                 }
26             } else if (nums1Left > nums2Right) {
27                 right = i - 1;  // Move left
28             } else {
```

Saved

Ln 36, Col 1

Testcase | Test Result

Type here to search

25°C Partly cloudy

9:43 PM
4/3/2025