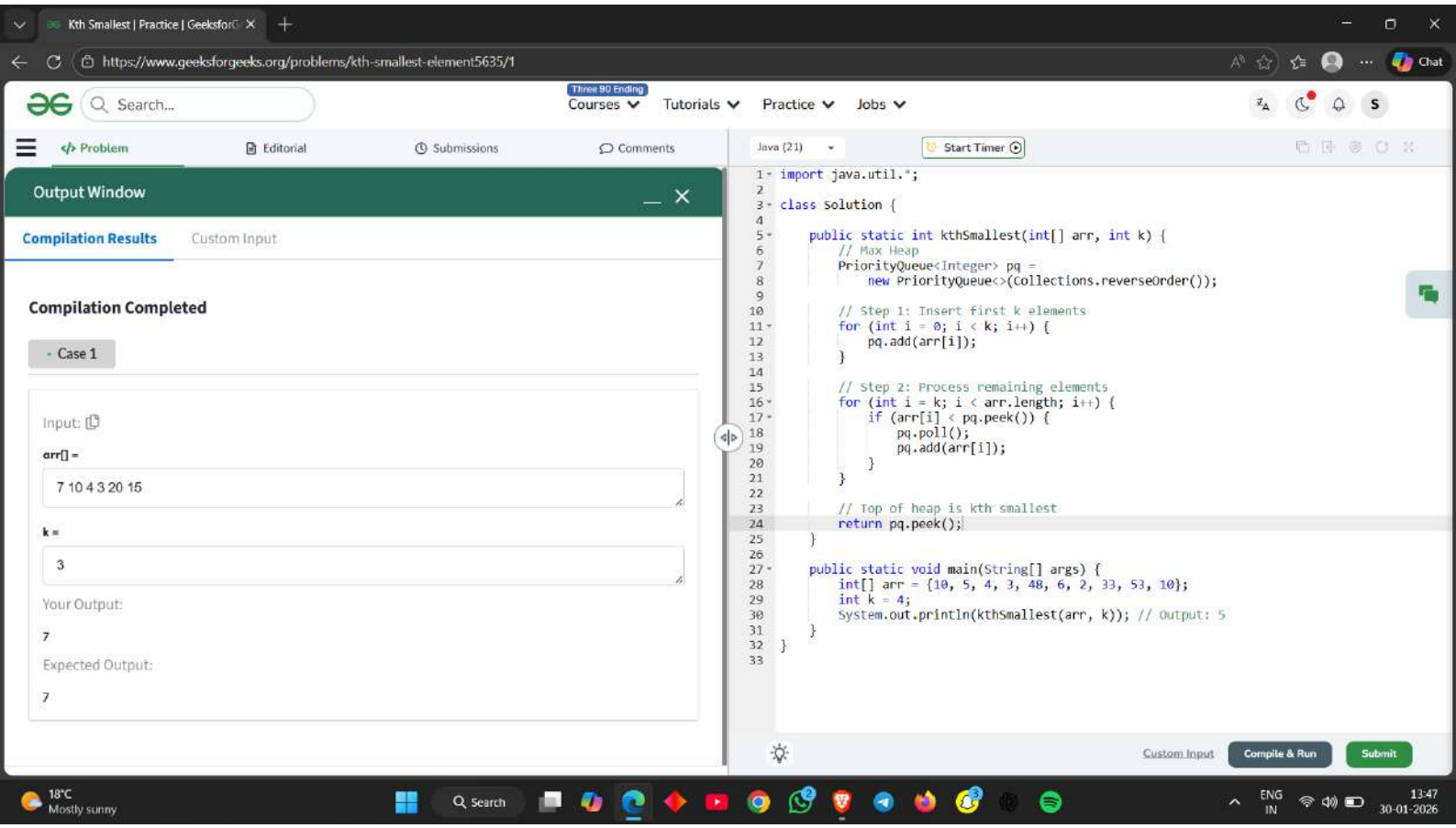
Kth Smallest | Practice | GeeksforG
https://www.geeksforgeeks.org/problems/kth-smallest-element5635/1
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Custom Input
Compilation Completed
Case 1
Input:
arr[] =
7 10 4 3 20 15
k =
3
Your Output:
7
Expected Output:
7
Java (21)
Start Timer
import java.util.*;
class solution {
public static int kthSmallest(int[] arr, int k) {
// Max Heap
PriorityQueue<Integer> pq =
new PriorityQueue<>(Collections.reverseOrder());
// Step 1: Insert first k elements
for (int i = 0; i < k; i++) {
pq.add(arr[i]);
}
// Step 2: Process remaining elements
for (int i = k; i < arr.length; i++) {
if (arr[i] < pq.peek()) {
pq.poll();
pq.add(arr[i]);
}
}
// Top of heap is kth smallest
return pq.peek();
}
public static void main(String[] args) {
int[] arr = {10, 5, 4, 3, 48, 6, 2, 33, 53, 10};
int k = 4;
System.out.println(kthSmallest(arr, k)); // Output: 5
}
}
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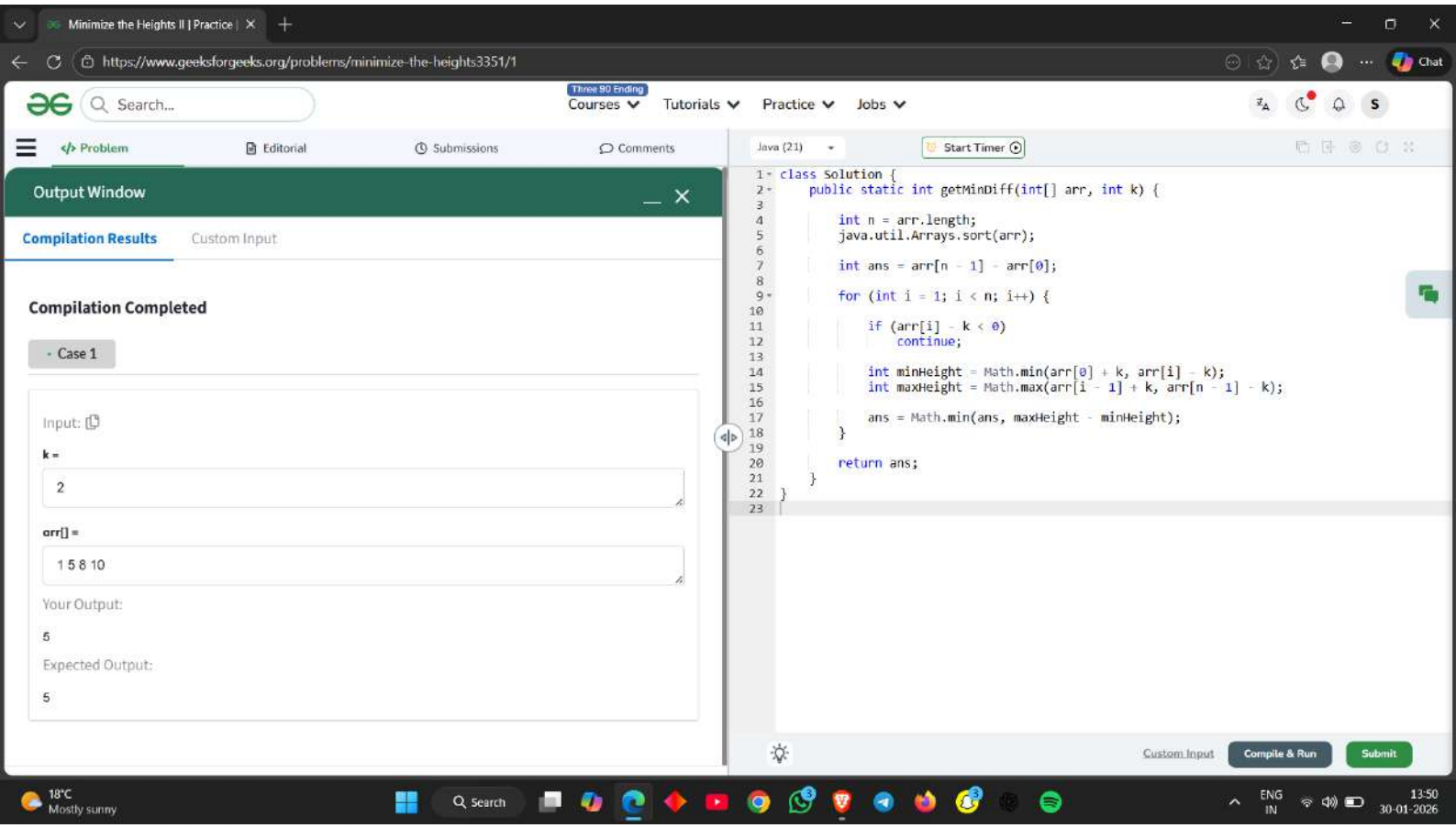
Minimize the Heights II | Practice |
https://www.geeksforgeeks.org/problems/minimize-the-heights3351/1
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Compilation Completed
Case 1
Input:
k =
2
arr[] =
1 5 8 10
Your Output:
5
Expected Output:
5
Java (21)
Start Timer
class Solution {
public static int getMinDiff(int[] arr, int k) {
int n = arr.length;
java.util.Arrays.sort(arr);
int ans = arr[n - 1] - arr[0];
for (int i = 1; i < n; i++) {
if (arr[i] - k < 0)
continue;
int minHeight = Math.min(arr[0] + k, arr[i] - k);
int maxHeight = Math.max(arr[i - 1] + k, arr[n - 1] - k);
ans = Math.min(ans, maxHeight - minHeight);
}
return ans;
}
}
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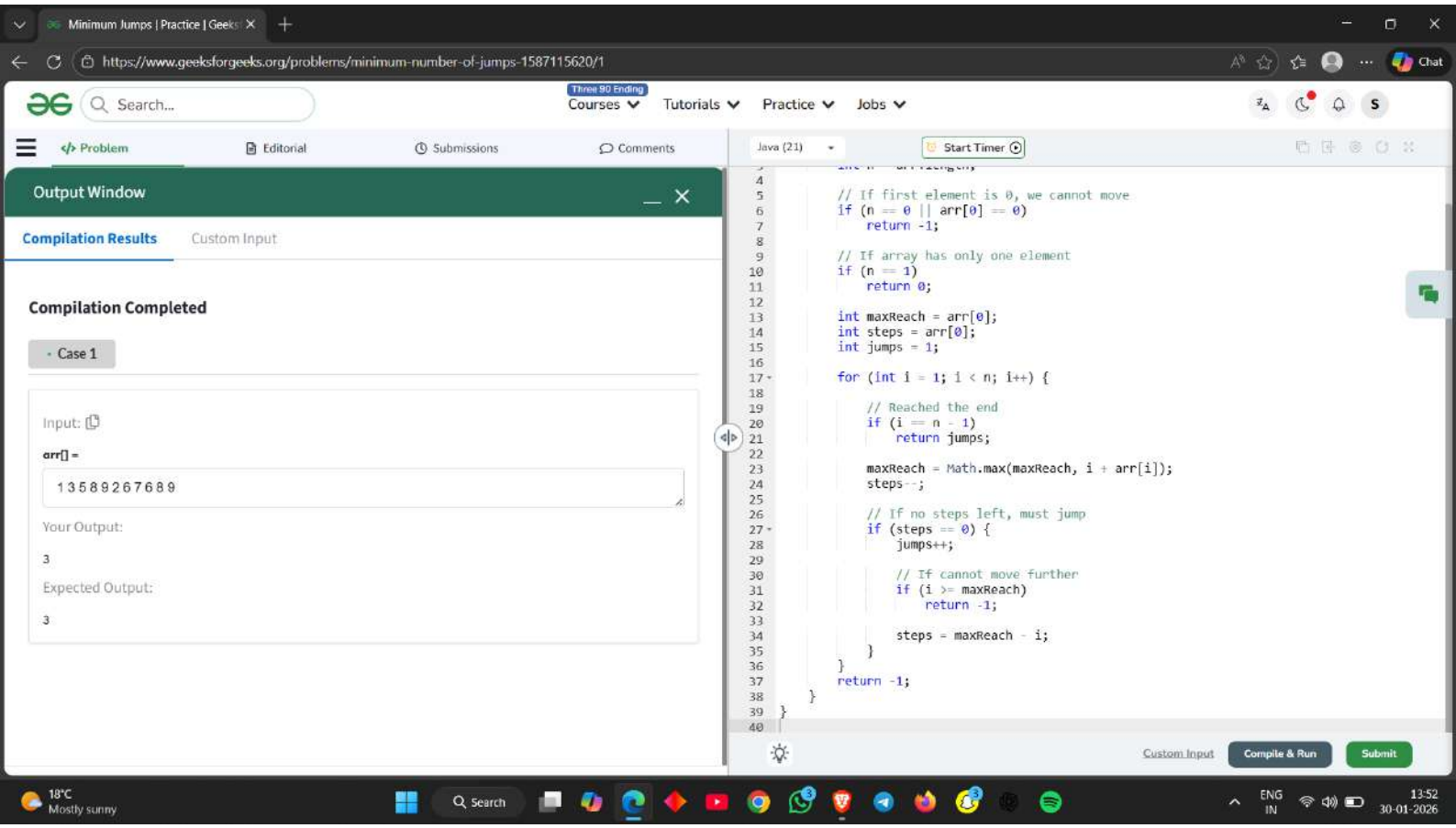
Minimum Jumps | Practice | Geeks
https://www.geeksforgeeks.org/problems/minimum-number-of-jumps-1587115620/1
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Compilation Completed
Case 1
Input:
arr[] =
1 3 5 8 9 2 6 7 6 8 9
Your Output:
3
Expected Output:
3
Java (21)
Start Timer
// If first element is 0, we cannot move
if (n == 0 || arr[0] == 0)
return -1;
// If array has only one element
if (n == 1)
return 0;
int maxReach = arr[0];
int steps = arr[0];
int jumps = 1;
for (int i = 1; i < n; i++) {
// Reached the end
if (i == n - 1)
return jumps;
maxReach = Math.max(maxReach, i + arr[i]);
steps--;
// If no steps left, must jump
if (steps == 0) {
jumps++;
// If cannot move further
if (i >= maxReach)
return -1;
steps = maxReach - i;
}
}
return -1;
}
}
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Compile & Run
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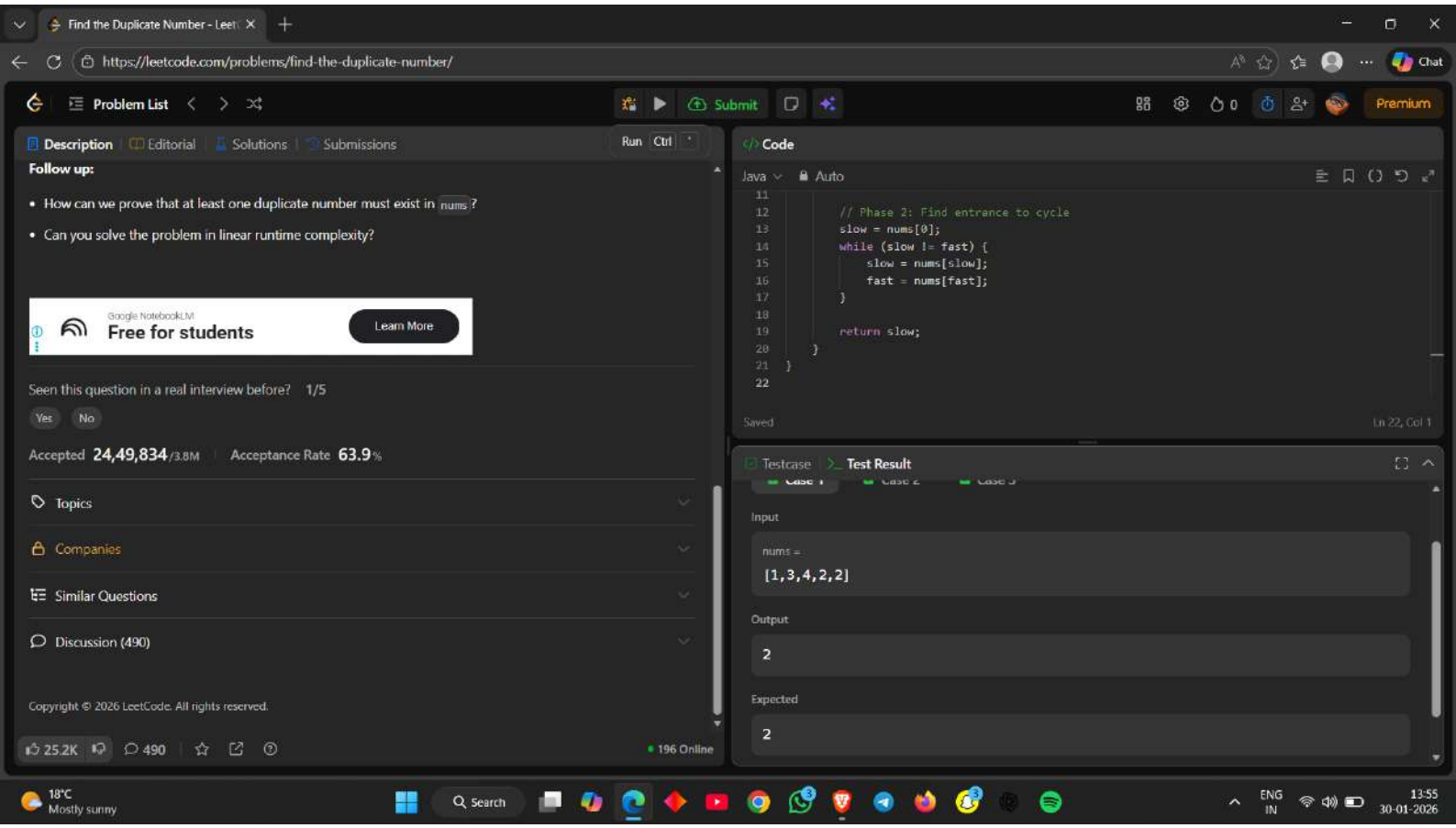
Find the Duplicate Number - Leet
https://leetcode.com/problems/find-the-duplicate-number/
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Follow up:
How can we prove that at least one duplicate number must exist in nums?
Can you solve the problem in linear runtime complexity?
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Yes
No
Accepted 24,49,834/3.8M
Acceptance Rate 63.9%
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25.2K
490
196 Online
Code
Java
Auto
// Phase 2: Find entrance to cycle
slow = nums[0];
while (slow != fast) {
slow = nums[slow];
fast = nums[fast];
}
return slow;
}
}
Saved
Ln 22, Col 1
Testcase
Test Result
Input
nums =
[1,3,4,2,2]
Output
2
Expected
2
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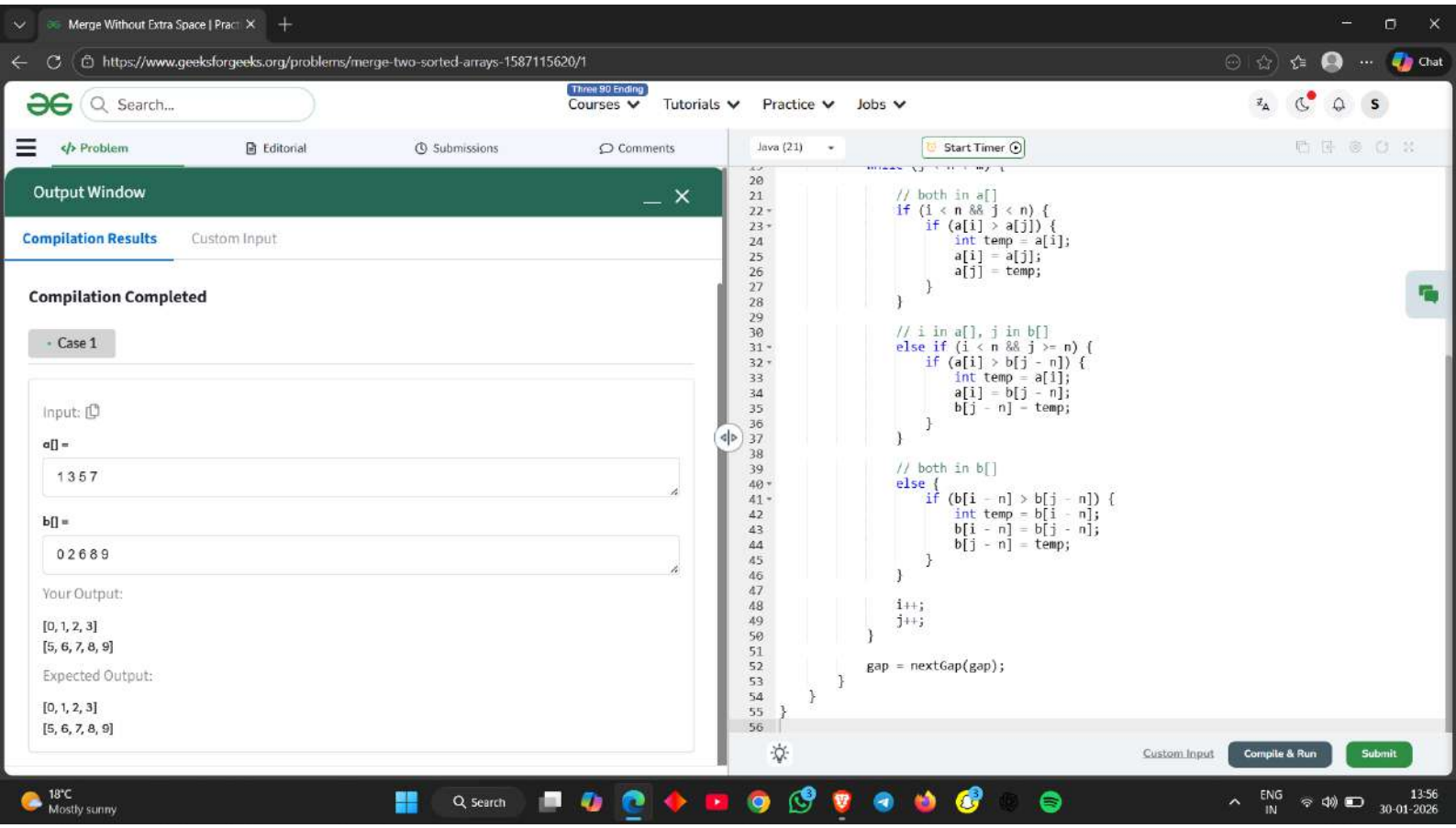
Merge Without Extra Space | Prac
https://www.geeksforgeeks.org/problems/merge-two-sorted-arrays-1587115620/1
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Compilation Completed
Case 1
Input:
a[] =
1 3 5 7
b[] =
0 2 6 8 9
Your Output:
[0, 1, 2, 3]
[5, 6, 7, 8, 9]
Expected Output:
[0, 1, 2, 3]
[5, 6, 7, 8, 9]
Java (21)
Start Timer
// both in a[]
if (i < n && j < n) {
if (a[i] > a[j]) {
int temp = a[i];
a[i] = a[j];
a[j] = temp;
}
}
// i in a[], j in b[]
else if (i < n && j >= n) {
if (a[i] > b[j - n]) {
int temp = a[i];
a[i] = b[j - n];
b[j - n] = temp;
}
}
// both in b[]
else {
if (b[i - n] > b[j - n]) {
int temp = b[i - n];
b[i - n] = b[j - n];
b[j - n] = temp;
}
}
i++;
j++;
}
gap = nextGap(gap);
}
}
}
Custom Input
Compile & Run
Submit
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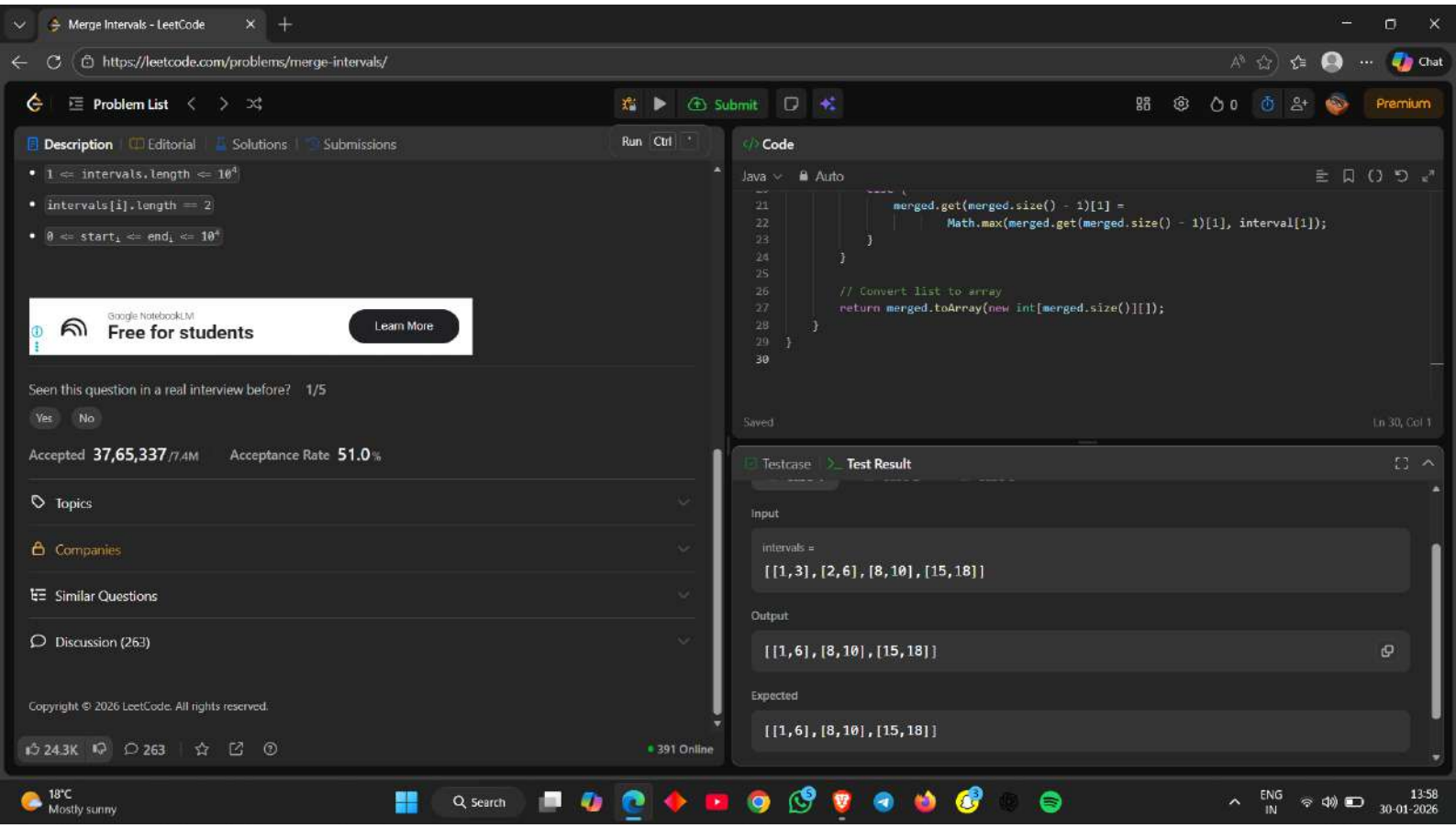
13:56
30-01-2026


Merge Intervals - LeetCode
https://leetcode.com/problems/merge-intervals/
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1 <= intervals.length <= 10^4
intervals[i].length == 2
0 <= start_i <= end_i <= 10^4
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Seen this question in a real interview before? 1/5
Yes
No
Accepted 37,65,337/7.4M
Acceptance Rate 51.0%
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24.3K
263
391 Online
Code
Java
Auto
merged.get(merged.size() - 1)[1] =
Math.max(merged.get(merged.size() - 1)[1], interval[1]);
// Convert list to array
return merged.toArray(new int[merged.size()][]);
Saved
Ln 30, Col 1
Testcase
Test Result
Input
intervals =
[[1,3],[2,6],[8,10],[15,18]]
Output
[[1,6],[8,10],[15,18]]
Expected
[[1,6],[8,10],[15,18]]
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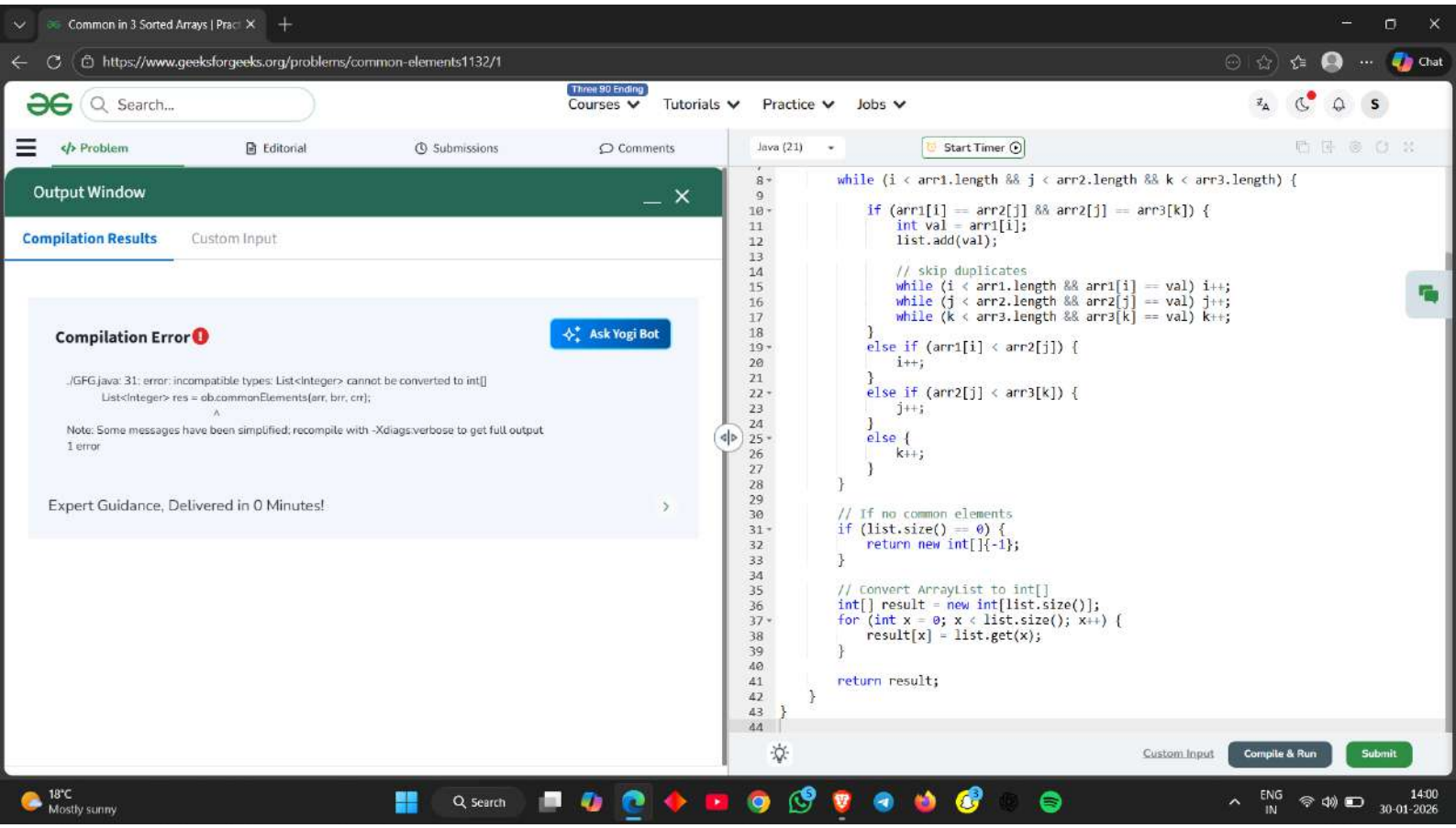
13:58
30-01-2026


Common in 3 Sorted Arrays | Prac
https://www.geeksforgeeks.org/problems/common-elements1132/1
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Compilation Error
Ask Yogi Bot
./GFG.java: 31: error: incompatible types: List<Integer> cannot be converted to int[]
List<Integer> res = ob.commonElements(arr, brr, crr);
^
Note: Some messages have been simplified; recompile with -Xdiags:verbose to get full output
1 error
Expert Guidance, Delivered in 0 Minutes!
Java (21)
Start Timer
while (i < arr1.length && j < arr2.length && k < arr3.length) {
if (arr1[i] == arr2[j] && arr2[j] == arr3[k]) {
int val = arr1[i];
list.add(val);
// skip duplicates
while (i < arr1.length && arr1[i] == val) i++;
while (j < arr2.length && arr2[j] == val) j++;
while (k < arr3.length && arr3[k] == val) k++;
}
else if (arr1[i] < arr2[j]) {
i++;
}
else if (arr2[j] < arr3[k]) {
j++;
}
else {
k++;
}
}
// If no common elements
if (list.size() == 0) {
return new int[]{-1};
}
// Convert ArrayList to int[]
int[] result = new int[list.size()];
for (int x = 0; x < list.size(); x++) {
result[x] = list.get(x);
}
return result;
}
}
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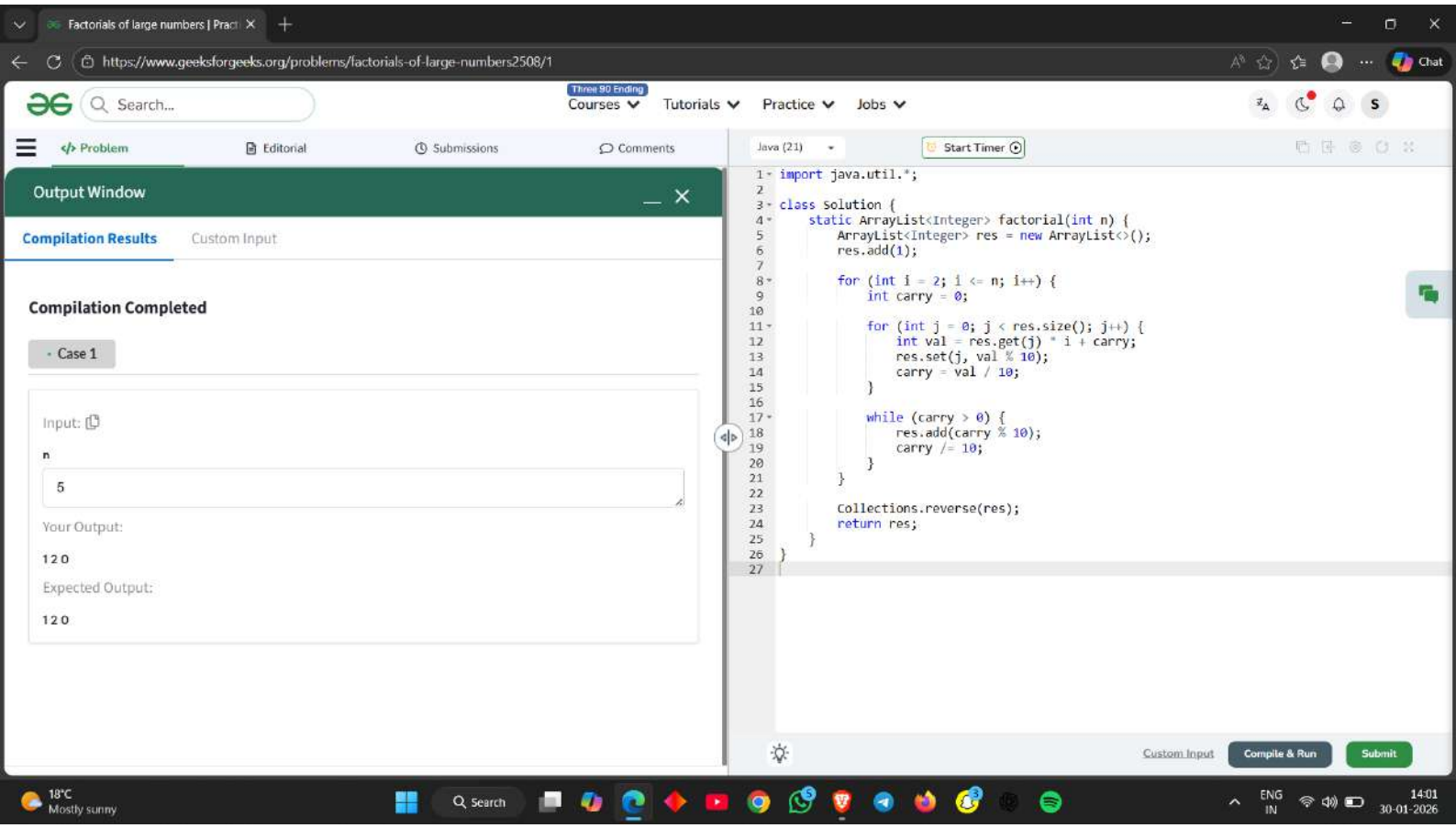
Factorials of large numbers | Pract
https://www.geeksforgeeks.org/problems/factorials-of-large-numbers2508/1
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Custom Input
Compilation Completed
Case 1
Input:
n
5
Your Output:
1 2 0
Expected Output:
1 2 0
Java (21)
Start Timer
1 import java.util.*;
2
3 class Solution {
4 static ArrayList<Integer> factorial(int n) {
5 ArrayList<Integer> res = new ArrayList<>();
6 res.add(1);
7
8 for (int i = 2; i <= n; i++) {
9 int carry = 0;
10
11 for (int j = 0; j < res.size(); j++) {
12 int val = res.get(j) * i + carry;
13 res.set(j, val % 10);
14 carry = val / 10;
15 }
16
17 while (carry > 0) {
18 res.add(carry % 10);
19 carry /= 10;
20 }
21 }
22
23 Collections.reverse(res);
24 return res;
25 }
26 }
27
Custom Input
Compile & Run
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https://www.geeksforgeeks.org/problems/array-subset-of-anotherarray2317/1

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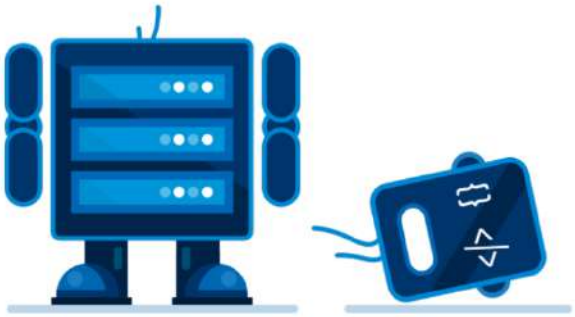

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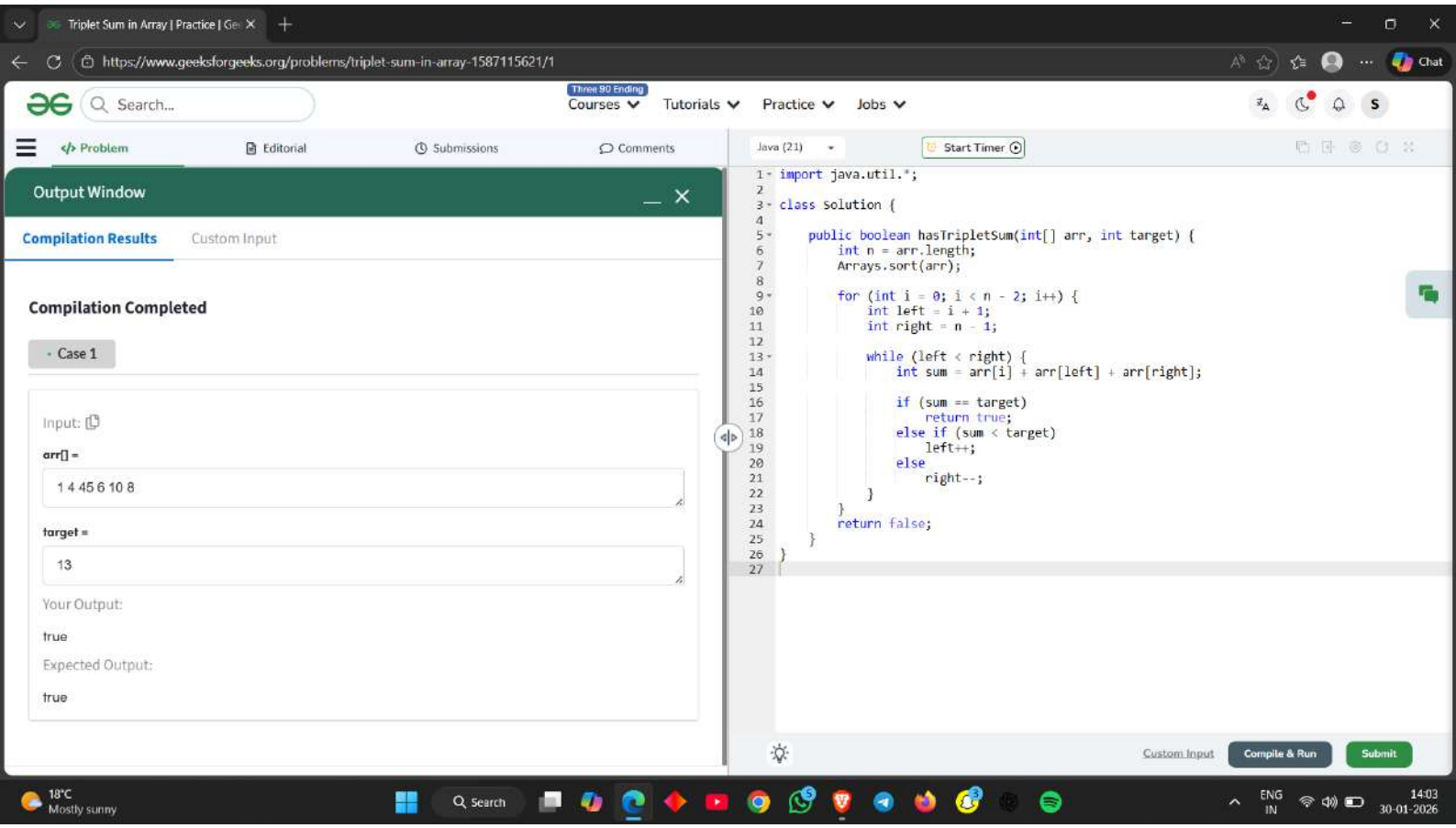
Triplet Sum in Array | Practice | Ge
https://www.geeksforgeeks.org/problems/triplet-sum-in-array-1587115621/1
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Compilation Completed
Case 1
Input:
arr[] =
1 4 45 6 10 8
target =
13
Your Output:
true
Expected Output:
true
Java (21)
Start Timer
import java.util.*;
class solution {
public boolean hasTripletSum(int[] arr, int target) {
int n = arr.length;
Arrays.sort(arr);
for (int i = 0; i < n - 2; i++) {
int left = i + 1;
int right = n - 1;
while (left < right) {
int sum = arr[i] + arr[left] + arr[right];
if (sum == target)
return true;
else if (sum < target)
left++;
else
right--;
}
}
return false;
}
}
Custom Input
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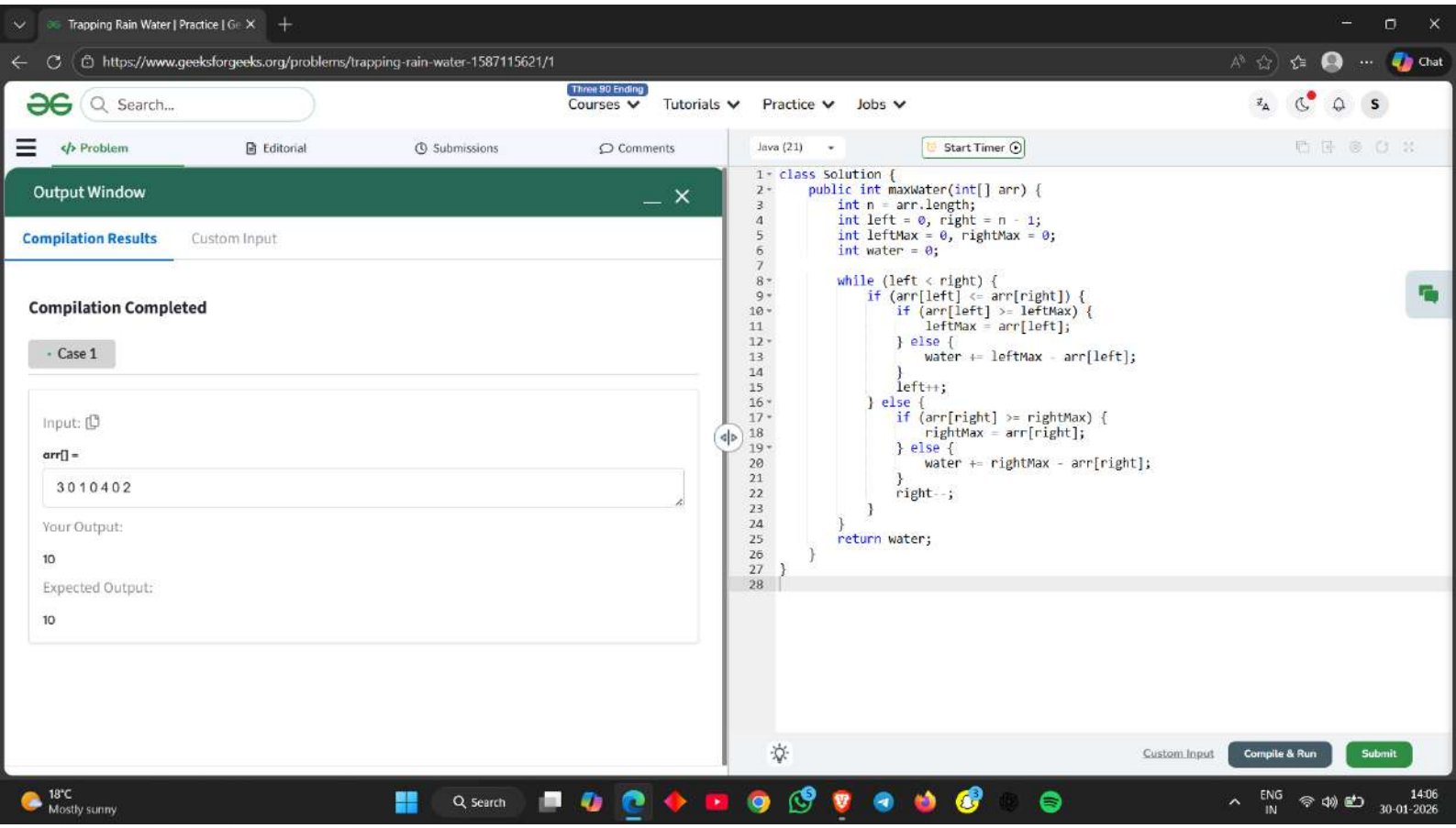
Trapping Rain Water | Practice | Ge
https://www.geeksforgeeks.org/problems/trapping-rain-water-1587115621/1
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Custom Input
Compilation Completed
Case 1
Input:
arr[] =
3 0 1 0 4 0 2
Your Output:
10
Expected Output:
10
Java (21)
Start Timer
1 class Solution {
2 public int maxWater(int[] arr) {
3 int n = arr.length;
4 int left = 0, right = n - 1;
5 int leftMax = 0, rightMax = 0;
6 int water = 0;
7
8 while (left < right) {
9 if (arr[left] <= arr[right]) {
10 if (arr[left] >= leftMax) {
11 leftMax = arr[left];
12 } else {
13 water += leftMax - arr[left];
14 }
15 left++;
16 } else {
17 if (arr[right] >= rightMax) {
18 rightMax = arr[right];
19 } else {
20 water += rightMax - arr[right];
21 }
22 right--;
23 }
24 }
25 return water;
26 }
27 }
28
Custom Input
Compile & Run
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