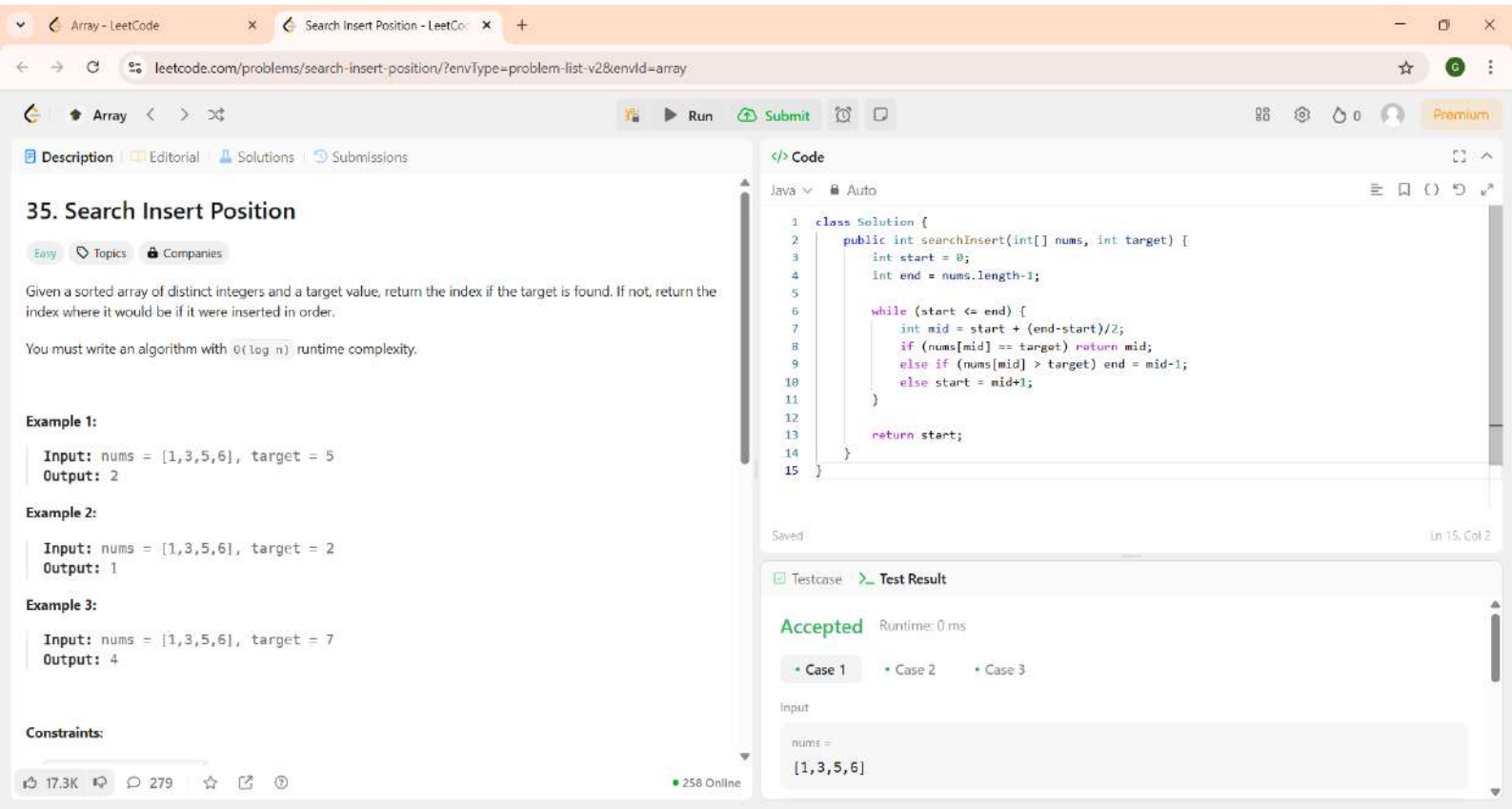
Array - LeetCode
Search Insert Position - LeetCo
leetcode.com/problems/search-insert-position/?envType=problem-list-v2&envId=array
Array
Run
Submit
Premium
Description
Editorial
Solutions
Submissions
35. Search Insert Position
Easy
Topics
Companies
Given a sorted array of distinct integers and a target value, return the index if the target is found. If not, return the index where it would be if it were inserted in order.
You must write an algorithm with O(log n) runtime complexity.
Example 1:
Input: nums = [1,3,5,6], target = 5
Output: 2
Example 2:
Input: nums = [1,3,5,6], target = 2
Output: 1
Example 3:
Input: nums = [1,3,5,6], target = 7
Output: 4
Constraints:
17.3K
279
258 Online
Code
Java
Auto
class Solution {
public int searchInsert(int[] nums, int target) {
int start = 0;
int end = nums.length-1;
while (start <= end) {
int mid = start + (end-start)/2;
if (nums[mid] == target) return mid;
else if (nums[mid] > target) end = mid-1;
else start = mid+1;
}
return start;
}
}
Saved
Ln 15, Col 2
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Input
nums =
[1,3,5,6]