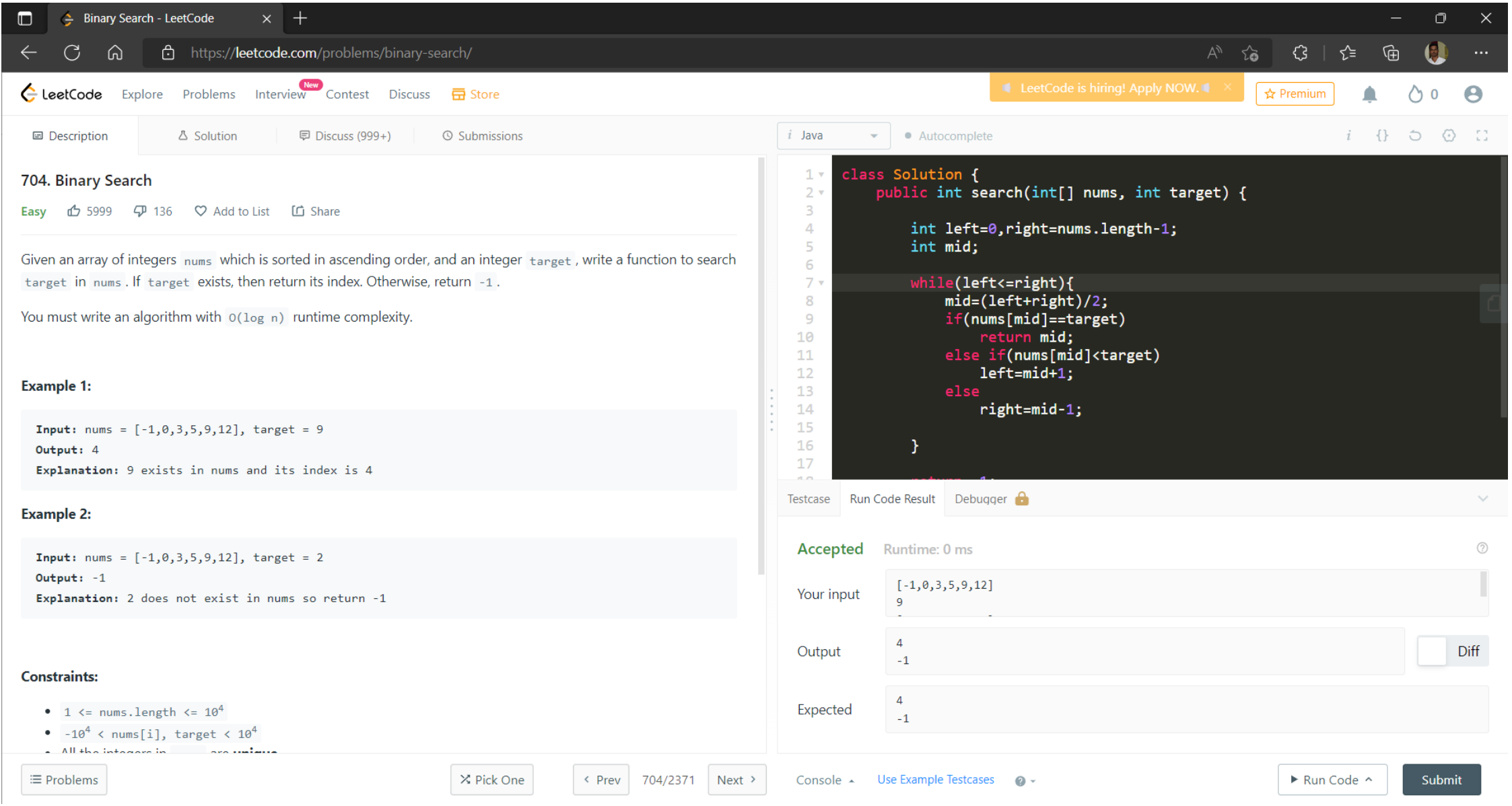
Binary Search - LeetCode
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Given an array of integers nums which is sorted in ascending order, and an integer target, write a function to search target in nums. If target exists, then return its index. Otherwise, return -1.
You must write an algorithm with O(log n) runtime complexity.
Example 1:
Input: nums = [-1,0,3,5,9,12], target = 9
Output: 4
Explanation: 9 exists in nums and its index is 4
Example 2:
Input: nums = [-1,0,3,5,9,12], target = 2
Output: -1
Explanation: 2 does not exist in nums so return -1
Constraints:
1 <= nums.length <= 10^4
-10^4 < nums[i], target < 10^4
class Solution {
public int search(int[] nums, int target) {
int left=0,right=nums.length-1;
int mid;
while(left<=right){
mid=(left+right)/2;
if(nums[mid]==target)
return mid;
else if(nums[mid]<target)
left=mid+1;
else
right=mid-1;
}
Testcase
Run Code Result
Debugger
Accepted
Runtime: 0 ms
Your input
[-1,0,3,5,9,12]
9
Output
4
-1
Diff
Expected
4
-1
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