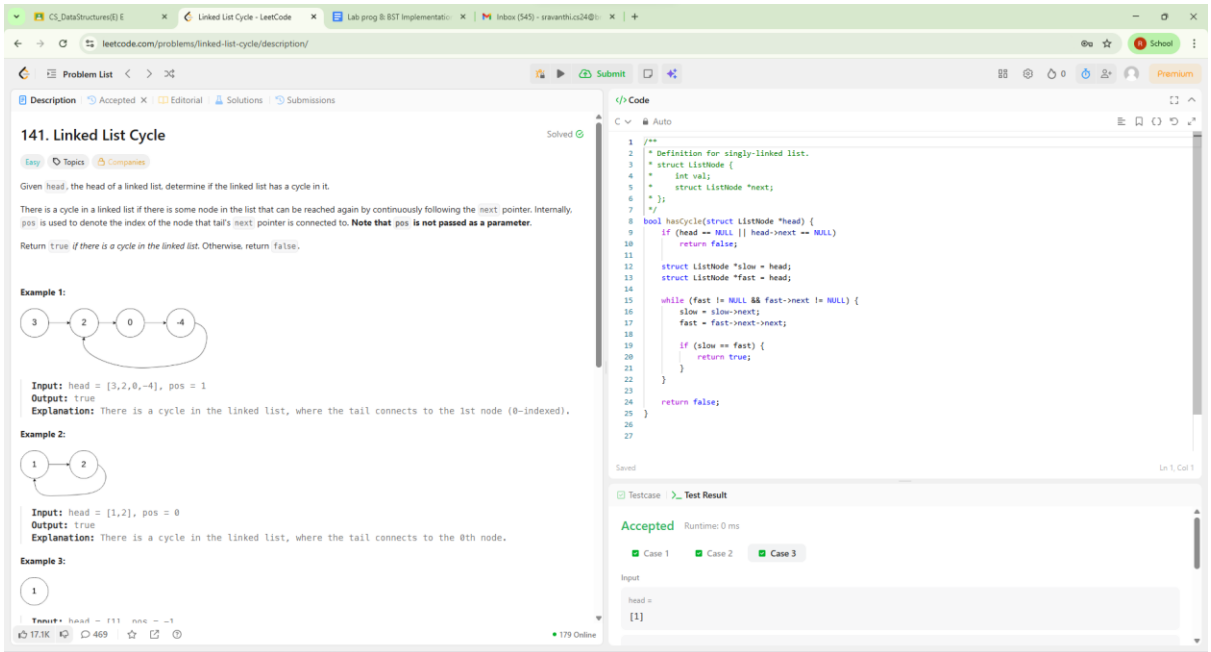
leetcode.com/problems/linked-list-cycle/description/
Problem List
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Premium
Description
Accepted
Editorial
Solutions
Submissions
141. Linked List Cycle
Solved
Easy
Topics
Companies
Given head, the head of a linked list, determine if the linked list has a cycle in it.
There is a cycle in a linked list if there is some node in the list that can be reached again by continuously following the next pointer. Internally, pos is used to denote the index of the node that tail's next pointer is connected to. Note that pos is not passed as a parameter.
Return true if there is a cycle in the linked list. Otherwise, return false.
Example 1:
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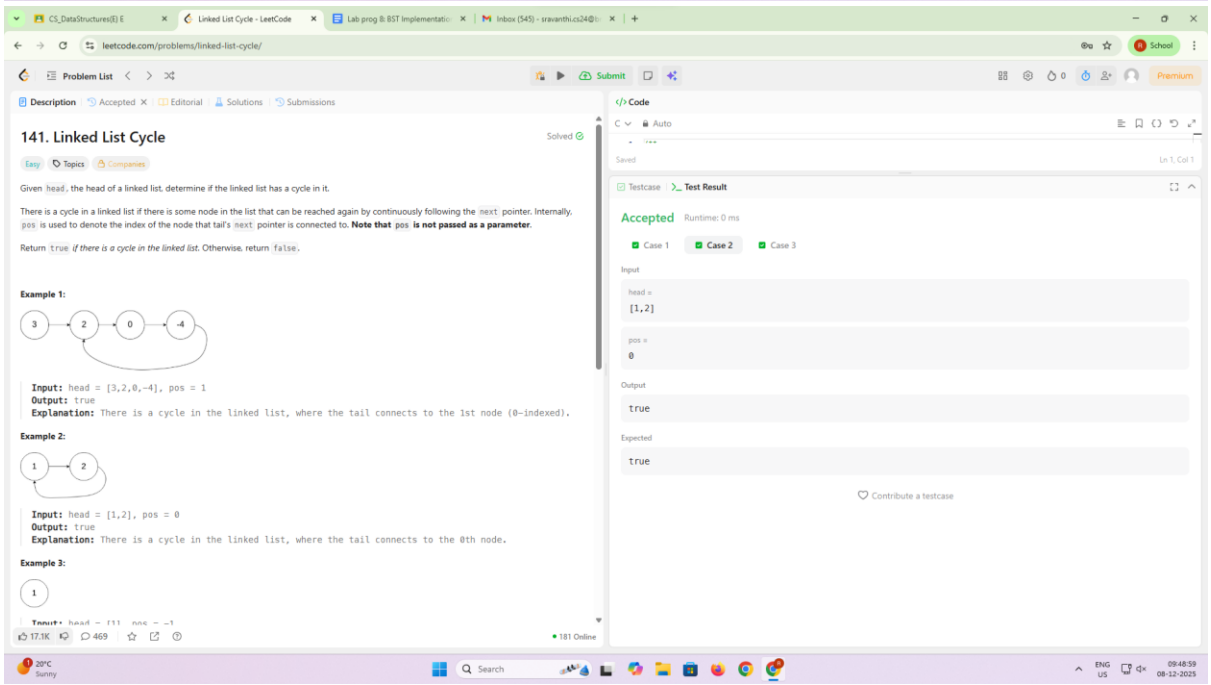
2
0
-4
Input: head = [3,2,0,-4], pos = 1
Output: true
Explanation: There is a cycle in the linked list, where the tail connects to the 1st node (0-indexed).
Example 2:
1
2
Input: head = [1,2], pos = 0
Output: true
Explanation: There is a cycle in the linked list, where the tail connects to the 0th node.
Example 3:
1
17.1K
469
179 Online
Code
C
Auto
/**
* Definition for singly-linked list.
* struct ListNode {
* int val;
* struct ListNode *next;
* };
*/
bool hasCycle(struct ListNode *head) {
if (head == NULL || head->next == NULL)
return false;
struct ListNode *slow = head;
struct ListNode *fast = head;
while (fast != NULL && fast->next != NULL) {
slow = slow->next;
fast = fast->next->next;
if (slow == fast) {
return true;
}
}
return false;
}
Saved
Ln 1, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Input
head =
[1]
20°C
Sunny
Search
ENG
US
09:48:15
08-12-2025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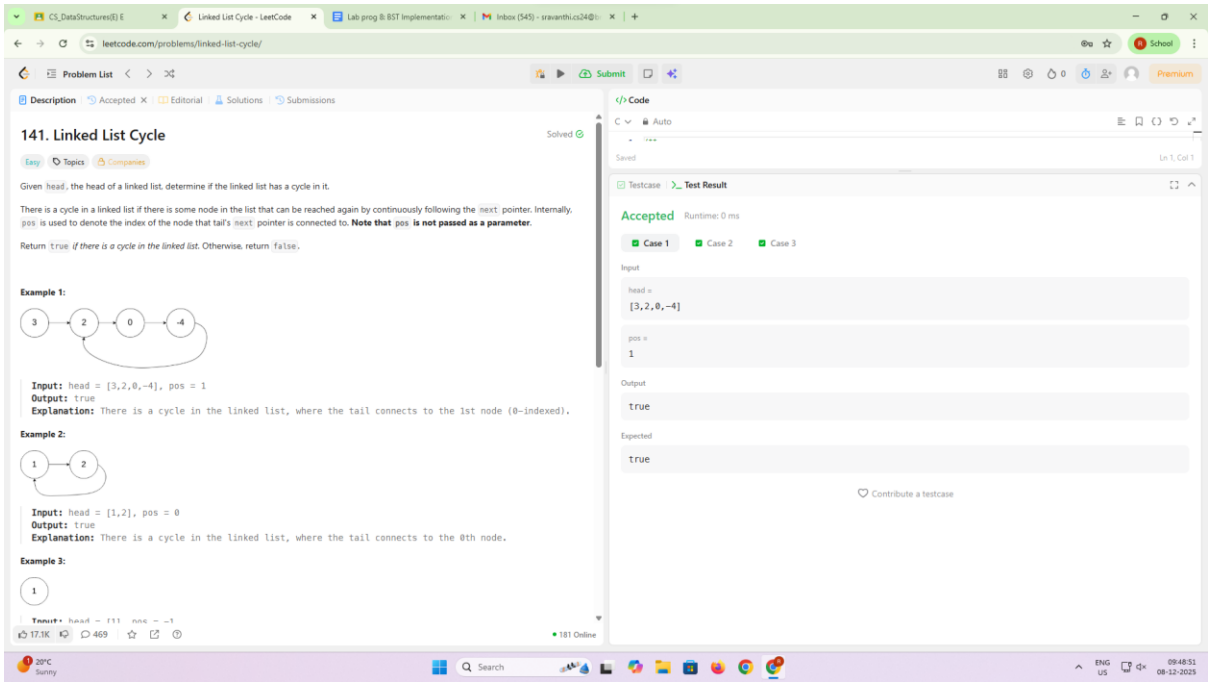
181 Online
Code
C
Auto
Saved
Ln 1, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Input
head =
[1,2]
pos =
0
Output
true
Expected
true
Contribute a testcase
20°C
Sunny
Search
ENG
US
09:48:59
08-12-2025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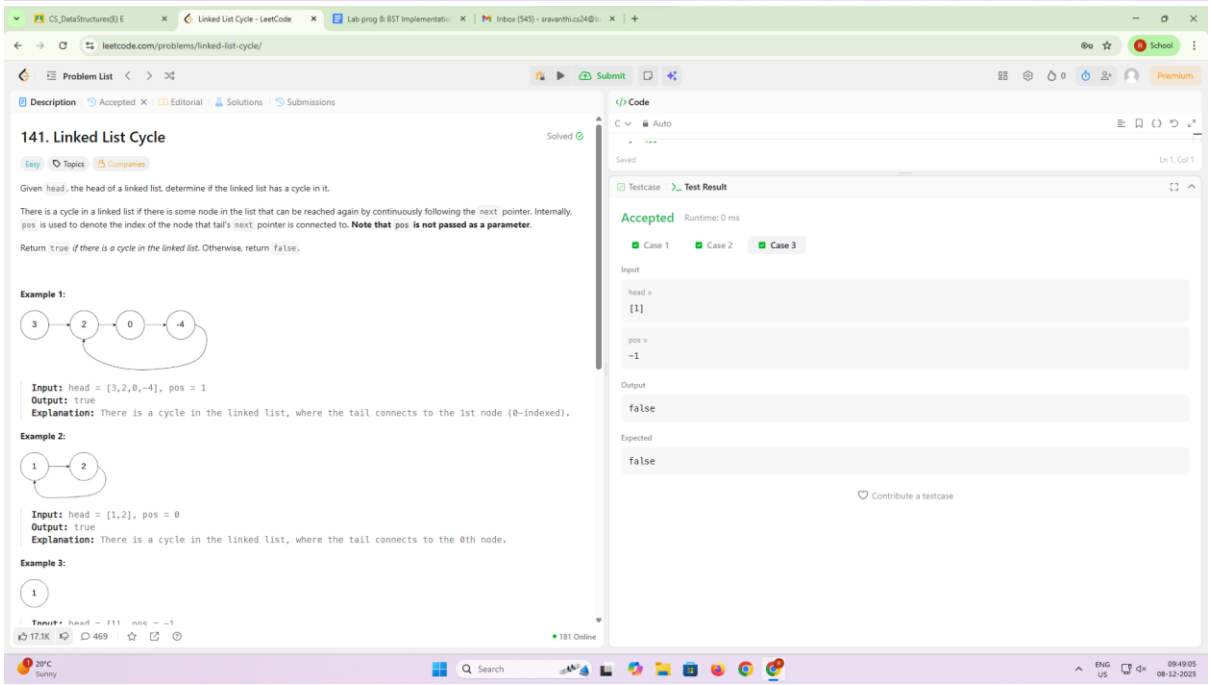
469
181 Online
Code
C
Auto
Saved
Ln 1, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Input
head =
[3,2,0,-4]
pos =
1
Output
true
Expected
true
Contribute a testcase
20°C
Sunny
Search
ENG
US
09:48:51
08-12-2025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181 Online
Code
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Auto
Saved
Ln 1, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Input
head =
[1]
pos =
-1
Output
false
Expected
false
Contribute a testcase
20°C
Sunny
Search
ENG
US
09:49:05
08-12-2025