

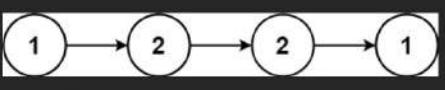
Problem List < >  Premium

Description Editorial Solutions Submissions

234. Palindrome Linked List

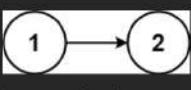
Given the `head` of a singly linked list, return `true` if it is a [palindrome](#) or `false` otherwise.

Example 1:



Input: head = [1,2,2,1]
Output: true

Example 2:



Input: head = [1,2]
Output: false

Constraints:

C Auto

```
6  * );
7  */
8 struct ListNode* reverseList(struct ListNode* head) {
9     struct ListNode* prev = NULL;
10    struct ListNode* curr = head;
11    struct ListNode* nextNode;
12
13    while (curr != NULL) {
14        nextNode = curr->next;
15        curr->next = prev;
16        prev = curr;
17        curr = nextNode;
18    }
19    return prev;
20}
21
22 bool isPalindrome(struct ListNode* head) {
23     if (head == NULL || head->next == NULL)
24         return true;
25
26     struct ListNode* *slow = head, *fast = head;
27
28     while (fast != NULL && fast->next != NULL) {
29         slow = slow->next;
30
31         fast = fast->next->next;
32
33         if (slow->val != fast->val)
34             return false;
35     }
36
37     return true;
38}
```

Saved Ln 34, Col 1

Testcase Test Result

Accepted Runtime: 0 ms

Case 1 Case 2

Activate Windows
Go to Settings to activate Windows.

18K 357 167 Online

Type here to search Air quality forecast ENG 12.00.44 PM
IN 24-11-2025

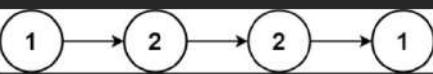
Problem List < > ✎ Submit

Description | Editorial | Solutions | Submissions

234. Palindrome Linked List

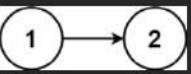
Given the `head` of a singly linked list, return `true` if it is a [palindrome](#) or `false` otherwise.

Example 1:



Input: head = [1,2,2,1]
Output: true

Example 2:



Input: head = [1,2]
Output: false

Constraints:

C Auto

```
21 bool isPalindrome(struct ListNode* head) {
22     if (head == NULL || head->next == NULL)
23         return true;
24
25     struct ListNode *slow = head, *fast = head;
26
27     while (fast != NULL && fast->next != NULL) {
28         slow = slow->next;
29         fast = fast->next->next;
30     }
31
32     struct ListNode* secondHalf = reverseList(slow);
33
34     struct ListNode* p1 = head;
35     struct ListNode* p2 = secondHalf;
36
37     while (p2 != NULL) {
38         if (p1->val != p2->val)
39             return false;
40         p1 = p1->next;
41         p2 = p2->next;
42     }
43
44 }
```

Saved

Ln 34, Col 1

Testcase Test Result

Accepted Runtime: 0 ms

Activate Windows
Go to Settings to activate Windows.

Case 1 Case 2

18K 357 Type here to search Air quality forecast ENG 12.01.08 PM IN 24-11-2025