#15 days of dsa coding challenge

#Day 12

#Leetcode 234

Palindrome linked list

Solution:

class Solution {

public:

bool isPalindrome(ListNode\* head) {

if (!head || !head->next) return true;

ListNode\* slow = head;

ListNode\* fast = head;

while (fast && fast->next) {

slow = slow->next;

fast = fast->next->next;

}

ListNode\* prev = nullptr;

while (slow) {

ListNode\* nextNode = slow->next;

slow->next = prev;

prev = slow;

slow = nextNode;

}

while (prev) {

if (head->val != prev->val) return false;

head = head->next;

prev = prev->next;

}

return true;

}

};