






## 206. Reverse Linked List

Given the head of a singly linked list, reverse the list, and return *the reversed list*.

```
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     struct ListNode *next;
 * };
 */
struct ListNode* reverseList(struct ListNode* head) {
    struct ListNode *prev = NULL;
    struct ListNode *curr = head;
    struct ListNode *next = NULL;

    while (curr != NULL) {
        next = curr->next;
        curr->next = prev;
        prev = curr;
        curr = next;
    }
    return prev;
}
```

 Problem List < > 🔍

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☒ Testcase | ☒ Test Result

**Accepted** Runtime: 0 ms

☒ Case 1   ☒ Case 2   ☒ Case 3

Input


head =  
[1,2,3,4,5]

Output

[5,4,3,2,1]

Expected

[5,4,3,2,1]

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## 876. Middle of the Linked List

Given the head of a singly linked list, return *the middle node of the linked list*.

If there are two middle nodes, return **the second middle** node.

```
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     struct ListNode *next;
 * };
 */
struct ListNode* middleNode(struct ListNode* head) {

    struct ListNode *slow = head;
    struct ListNode *fast = head;

    while (fast != NULL && fast->next != NULL) {
        slow = slow->next;
        fast = fast->next->next;
    }

    return slow;
}
```

Testcase Test Result

Accepted Runtime: 0 ms

Case 1 Case 2

Input

head =  
[1,2,3,4,5]

Output

[3,4,5]

Expected

[3,4,5]

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