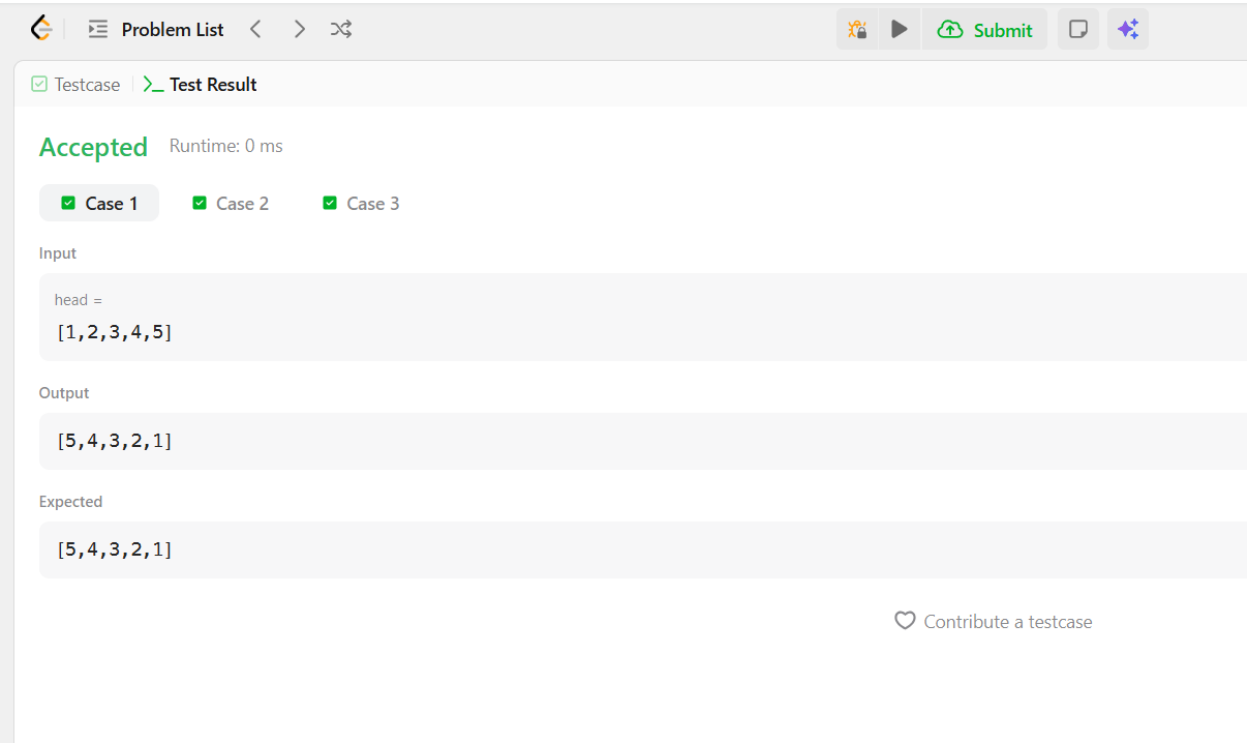
206. Reverse Linked List

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

```c
/**
 * 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;
}
```



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.

```c
/**
 * 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;
}
```