Name: Vedant Mhatre

Moodle ID: 18102055

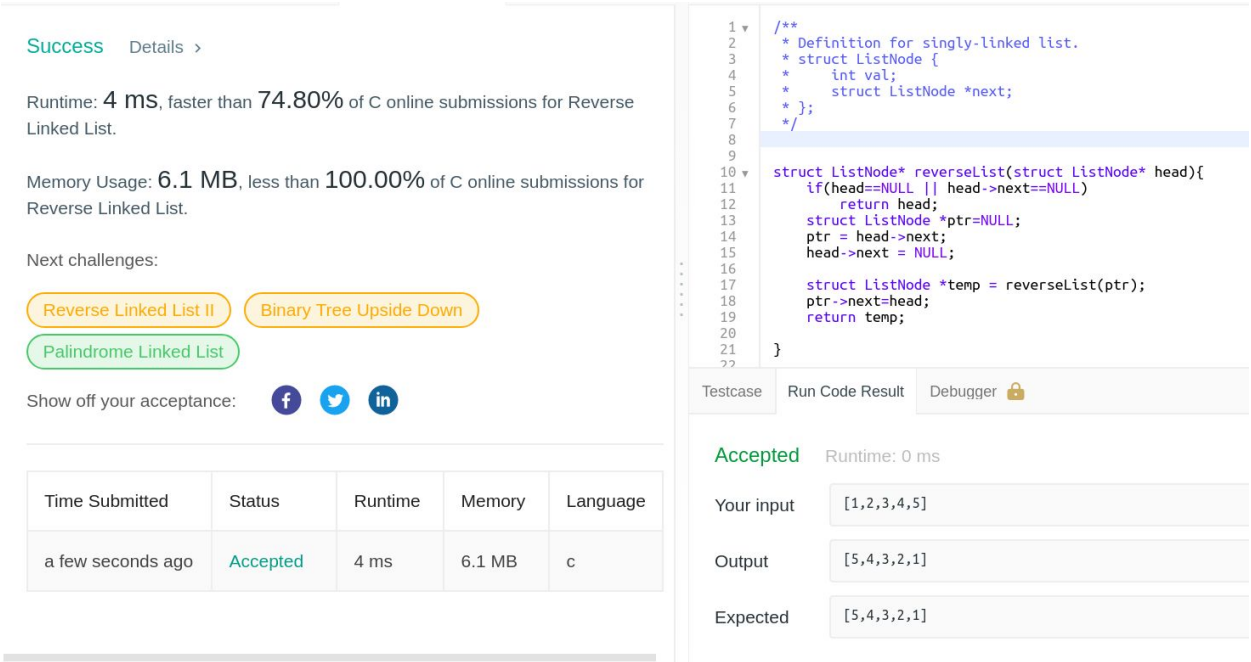
Roll No: 31

```
 struct ListNode {
     int val;
     struct ListNode *next;

struct ListNode* reverseList(struct ListNode* head){
    if(head==NULL || head->next==NULL)
        return head;
    struct ListNode *ptr=NULL;
    ptr = head->next;
    head->next = NULL;

    struct ListNode *temp = reverseList(ptr);
    ptr->next=head;
    return temp;
}
```

Snapshot:



Success Details ›

Runtime: 4 ms, faster than 74.80% of C online submissions for Reverse Linked List.

Memory Usage: 6.1 MB, less than 100.00% of C online submissions for Reverse Linked List.

Next challenges:

Reverse Linked List II | Binary Tree Upside Down | Palindrome Linked List

Show off your acceptance:

Time Submitted	Status	Runtime	Memory	Language
a few seconds ago	Accepted	4 ms	6.1 MB	c

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


struct ListNode* reverseList(struct ListNode* head){
    if(head==NULL || head->next==NULL)
        return head;
    struct ListNode *ptr=NULL;
    ptr = head->next;
    head->next = NULL;

    struct ListNode *temp = reverseList(ptr);
    ptr->next=head;
    return temp;

}
```

Testcase | Run Code Result | Debugger

Accepted Runtime: 0 ms

Your input [1,2,3,4,5]

Output [5,4,3,2,1]

Expected [5,4,3,2,1]