

Reverse Linked List

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/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode() : val(0), next(nullptr) {}
 *     ListNode(int x) : val(x), next(nullptr) {}
 *     ListNode(int x, ListNode *next) : val(x), next(next) {}
 * };
 */
class Solution {
public:
    ListNode* reverseList(ListNode* head, ListNode* prv = nullptr) {

        if (head == nullptr) return head;

        if (head->next == nullptr){
            head->next = prv;
            return head;
        }else{
            ListNode* n = head->next;
            head->next = prv;
            prv = head;
            head = n;
            return reverseList(head,prv);
        }

    }
};
```