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| 🖥 Description | ⚗ Solution | 💬 Discuss (999+) | 🕐 Submissions |

⊙ C++ ▾   Autocomplete   ⓘ {} ↻ ⊗ ⛶

206. Reverse Linked List

Easy   👍 5225   👎 99   ♡ Add to List   ⎙ Share

Reverse a singly linked list.

Example:

```
Input: 1->2->3->4->5->NULL
Output: 5->4->3->2->1->NULL
```

Follow up:

A linked list can be reversed either iteratively or recursively. Could you implement both?

Accepted   1,100,953   Submissions   1,738,292

Seen this question in a real interview before?   Yes   No

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```cpp
/**
 * 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* curr=head;
        ListNode* next;
        ListNode* prev=NULL;
        while(curr){
            next=curr->next;
            curr->next=prev;
            prev=curr;
            curr=next;
        }
        return prev;
    }
};
```

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