

Problem

Reverse Linked List

Reverse a singly linked list.

Example:

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

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

Solution

没啥好说的，链表的基本操作，一次遍历结束

[GitHub传送门](#)

```
class Solution
{
public:
    ListNode *reverseList(ListNode *head)
    {
        ListNode *result = nullptr;
        if (head != nullptr)
        {
            result = new ListNode(head->val);
            head = head->next;

            while (head != nullptr)
            {
                auto node = new ListNode(head->val);
                node->next = result;
                result = node;
                head = head->next;
            }
        }
        return result;
    }
};
```