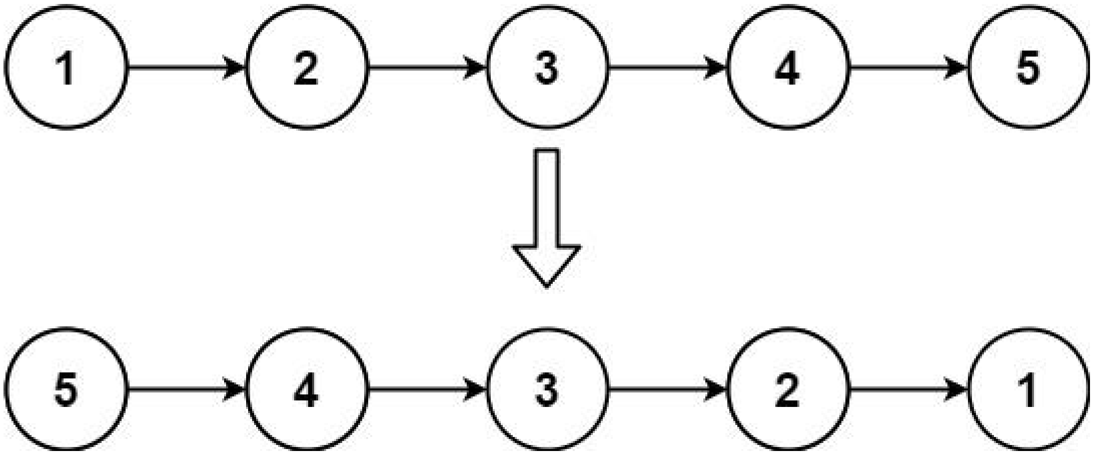
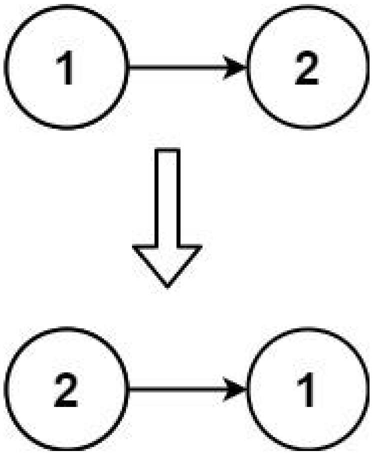
Given the head of a singly linked list, reverse the list, and return *the reversed list*.

Example 1:



Input: head = [1,2,3,4,5]
Output: [5,4,3,2,1]

Example 2:



Input: head = [1,2]
Output: [2,1]

Example 3:

Input: head = []
Output: []

Constraints:

- **The number of nodes in the list is the range [0, 5000].**
- **-5000 <= Node.val <= 5000**

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

Solution:

```
class Solution {
    public ListNode reverseList(ListNode head) {
        ListNode prev=null;
        ListNode cur=head;
        ListNode n;
        while(cur!=null){
            n=cur.next;
            cur.next=prev;
            prev=cur;
            cur=n;
        }
        head=prev;
        return head;
    }
}
```