# 24. 反转链表

[NowCoder](https://www.nowcoder.com/practice/75e878df47f24fdc9dc3e400ec6058ca?tpId=13&tqId=11168&tPage=1&rp=1&ru=/ta/coding-interviews&qru=/ta/coding-interviews/question-ranking&from=cyc_github)

## 解题思路

### 递归

public ListNode ReverseList(ListNode head) {
 if (head == null || head.next == null)
 return head;
 ListNode next = head.next;
 head.next = null;
 ListNode newHead = ReverseList(next);
 next.next = head;
 return newHead;
}

### 迭代

使用头插法。

public ListNode ReverseList(ListNode head) {
 ListNode newList = new ListNode(-1);
 while (head != null) {
 ListNode next = head.next;
 head.next = newList.next;
 newList.next = head;
 head = next;
 }
 return newList.next;
}