# [反转链表](https://leetcode-cn.com/explore/interview/card/bytedance/244/linked-list-and-tree/1038/)

**头条重点**

## 题目

反转一个单链表。

示例:  
  
输入: 1->2->3->4->5->NULL  
输出: 5->4->3->2->1->NULL

## 解题思路

1. 三个指针进行反转

public ListNode reverseList(ListNode head) {  
 if (head == null) {  
 return head;  
 }  
  
 if (head.next == null) {  
 return head;  
 }  
  
 ListNode pre = head;  
 ListNode cur = head.next;  
  
 while (cur != null) {  
 ListNode next = cur.next;  
 cur.next = pre;  
  
 pre = cur;  
 cur = next;  
 }  
  
 head.next = null;  
  
 return pre;  
}