

# 328. Odd Even Linked List

[link](#)

跟copyLinkedList很像

这块得注意条件是`current.next != null && current.next.next != null`

如果是`current != null && current.next != null` 最后的`current.next`会报空指针.

```
public ListNode oddEvenList(ListNode head) {
    if(head == null || head.next == null) return head;
    ListNode current = head, odd = head.next, next = null, vious = null;
    while(current.next != null && current.next.next != null){
        next = current.next;
        current.next = current.next.next;
        next.next = current.next == null ? null : current.next.next;
        current = current.next;
    }
    current.next = odd;
    return head;
}
```

可读性更强

```
public ListNode oddEvenList(ListNode head) {
    if (head != null) {
        ListNode odd = head, even = head.next, evenHead = even;
        while (even != null && even.next != null) {
            odd.next = odd.next.next;
            even.next = even.next.next;
            odd = odd.next;
            even = even.next;
        }
        odd.next = evenHead;
    }
    return head;
}
```