

## 237. Delete Node in a Linked List

Description

Hints

Submissions

Discuss

Solution

Pick One

Write a function to delete a node (except the tail) in a singly linked list, given only access to that node.

Given linked list -- head = [4,5,1,9], which looks like following:

```
4 -> 5 -> 1 -> 9
```

Example 1:

Input: head = [4,5,1,9], node = 5

Output: [4,1,9]

Explanation: You are given the second node with value 5, the linked list should become 4 -> 1 -> 9 after calling your function.

Example 2:

Input: head = [4,5,1,9], node = 1

Output: [4,5,9]

Explanation: You are given the third node with value 1, the linked list should become 4 -> 5 -> 9 after calling your function.

Note:

- The linked list will have at least two elements.
- All of the nodes' values will be unique.
- The given node will not be the tail and it will always be a valid node of the linked list.
- Do not return anything from your function.

Seen this question in a real interview before?



```
public class L237 {
    public class ListNode {
        int val;
        ListNode next;
        ListNode(int x) { val = x; }
    }
    /*
     * 这儿的的意思是链表是默认给定的，然后node是要删除的元素
     * 因为指针就到了node了，所以需要先将node.next的val赋值给node
     * 然后相当于删除node.next
     */
    public void deleteNode(ListNode node) {

        if(node.next == null) {
            return ;
        }else {
            node.val = node.next.val;
            node.next = node.next.next;
        }
    }
}
```