

203. Remove Linked List Elements

Easy

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Remove all elements from a linked list of integers that have value ***val***.

Example:

Input: 1->2->6->3->4->5->6, ***val*** = 6

Output: 1->2->3->4->5

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Seen this question in a real interview before?

Yes

No

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```
package Algorithm;
```

```
public class L203 {
```

```
    public class ListNode{
```

```
        int val;
```

```
        ListNode next;
```

```
        public ListNode(int val) {
```

```
            this.val = val;
```

```
        }
```

```
    }
```

```
    public ListNode removeElements(ListNode head, int val) {
```

```
        //做判断的时候一定head != null在head.val == val之前
```

```
        while(head != null && head.val == val) {
```

```
            head = head.next;
```

```
        }
```

```
        //条件判断
```

```
        if (head == null) {
```

```
            return head;
```

```
        }
```

```
        ListNode pre = head;
```

```
        ListNode last = head.next;
```

```
        while(pre != null && last != null) {
```

```
            if(last.val == val) {
```

```
                pre.next = last.next;
```

```
                last = last.next;
```

```
            }else { //else部分一定需要
```

```
                pre = pre.next;
```

```
                last = last.next;
```

```
            }
```

```
        }
```

```
        return head;
```

```
    }
```

```
}
```