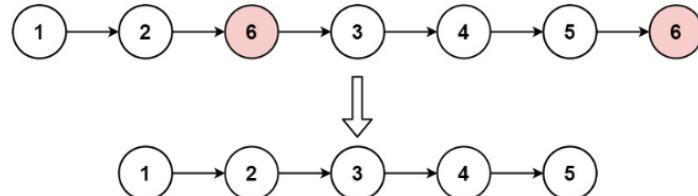


## 203. Remove Linked List Elements

Easy Topics Companies

Given the `head` of a linked list and an integer `val`, remove all the nodes of the linked list that has `Node.val == val`, and return *the new head*.

**Example 1:**



**Input:** head = [1,2,6,3,4,5,6], val = 6

**Output:** [1,2,3,4,5]

**Example 2:**

**Input:** head = [], val = 1  
**Output:** []

**Example 3:**

**Input:** head = [7,7,7,7], val = 7  
**Output:** []

C Auto

```
1  /**
2  * Definition for singly-linked list.
3  * struct ListNode {
4  *     int val;
5  *     struct ListNode *next;
6  * };
7 */
8 struct ListNode* removeElements(struct ListNode* head, int val) {
9     while (head != NULL && head->val == val) {
10         head = head->next;
11     }
12
13     struct ListNode* current = head;
14
15     while (current != NULL && current->next != NULL) {
16         if (current->next->val == val) {
17             current->next = current->next->next;
18         } else {
19             current = current->next;
20         }
21     }
22
23     return head;
24 }
```

Testcase | >\_ Test Result

**Accepted** Runtime: 0 ms

Case 1  Case 2  Case 3

Input

```
head =  
[1,2,6,3,4,5,6]
```

```
val =  
6
```

Output

```
[1,2,3,4,5]
```

Expected

```
[1,2,3,4,5]
```

Testcase | >\_ Test Result

**Accepted** Runtime: 0 ms

Case 1  Case 2  Case 3

Input

```
head =  
[]
```

```
val =  
1
```

Output

```
[]
```

Expected

```
[]
```

Testcase | >\_ Test Result

**Accepted** Runtime: 0 ms

Case 1  Case 2  Case 3

Input

```
head =  
[7,7,7,7]
```

```
val =  
7
```

Output

```
[]
```

Expected

```
[]
```