

203. Remove Linked List Elements

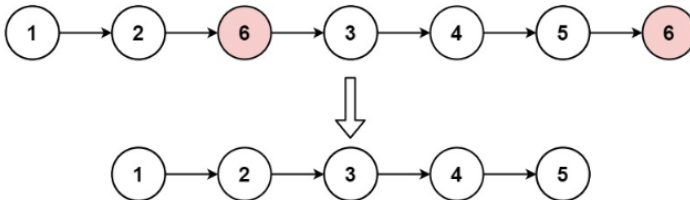
Easy

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

[]