

Remove Linked List Elements

```
struct ListNode* removeElements(struct ListNode* head, int val) {  
  
    while (head != NULL && head->val == val) {  
        struct ListNode* temp = head;  
        head = head->next;  
        free(temp);  
    }  
  
    struct ListNode* curr = head;  
    while (curr != NULL && curr->next != NULL) {  
        if (curr->next->val == val) {  
            struct ListNode* temp = curr->next;  
            curr->next = curr->next->next;  
            free(temp);  
        } else {  
            curr = curr->next;  
        }  
    }  
  
    return head;  
}
```

Output

Problem List < > 23

Description Editorial Solutions Submissions

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: `[]`

Constraints:

- The number of nodes in the list is in the range $[0, 10^4]$.
- $1 \leq \text{Node.val} \leq 50$
- $0 \leq \text{val} \leq 50$

Solved

Code Accepted X

```
C  
6 *};  
7 */  
8 struct ListNode* removeElements(struct ListNode* head, int val) {  
9  
10     while (head != NULL && head->val == val) {  
11         struct ListNode* temp = head;  
12         head = head->next;  
13         free(temp);  
14     }  
15  
16     return head;  
17 }
```

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]

Contribute a testcase

Activate Windows
Go to Settings to activate Windows.