Description | Editorial | Solutions | Submissions

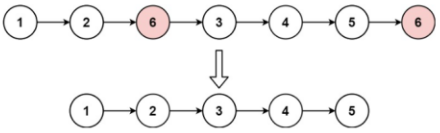
203. Remove Linked List Elements

Solved

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: []
```

Code

C | Auto

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

Saved | Ln 1, Col 1