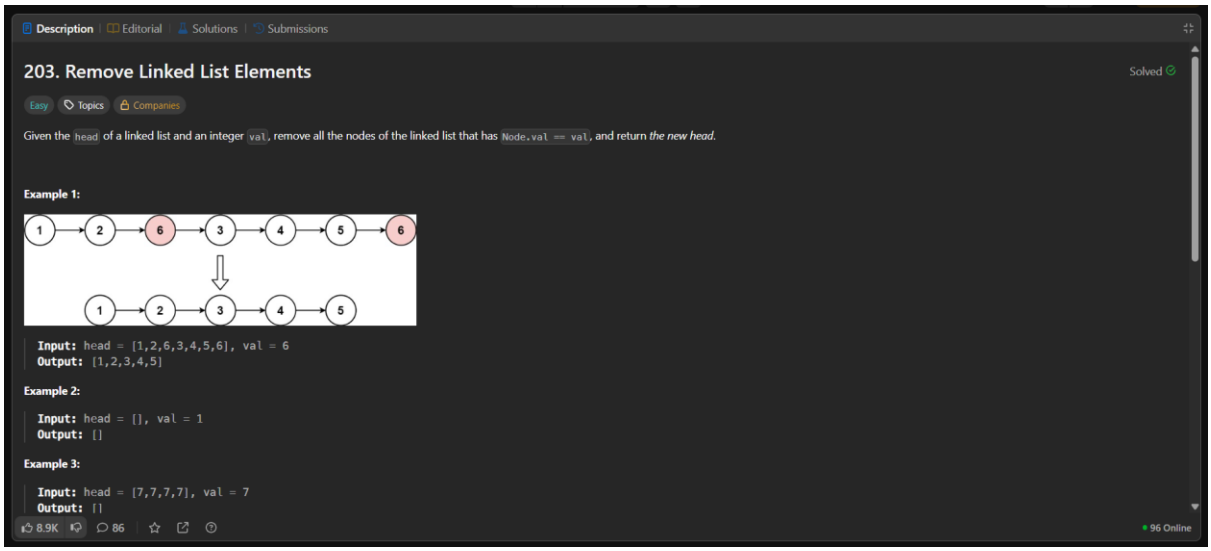
Leet code problem no. 203



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:

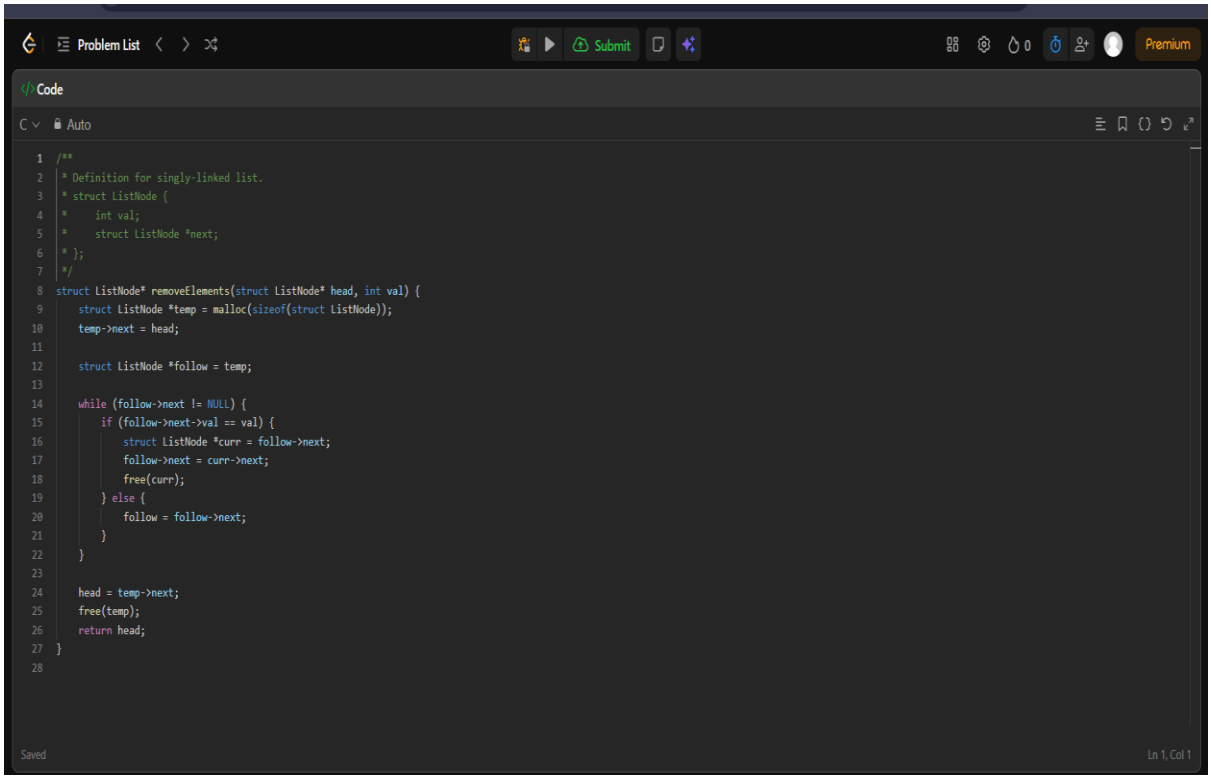
```
Input: head = [], val = 1
Output: []
```

Example 3:

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

8.9K | 86 | 96 Online

Solution:



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Code

C | Auto

```c
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     struct ListNode *next;
 * };
 */
struct ListNode* removeElements(struct ListNode* head, int val) {
    struct ListNode *temp = malloc(sizeof(struct ListNode));
    temp->next = head;

    struct ListNode *follow = temp;

    while (follow->next != NULL) {
        if (follow->next->val == val) {
            struct ListNode *curr = follow->next;
            follow->next = curr->next;
            free(curr);
        } else {
            follow = follow->next;
        }
    }

    head = temp->next;
    free(temp);
    return head;
}

```

Saved | Ln 1, Col 1