203. Remove Linked List Elements

QuestionEditorial Solution

My Submissions

- Total Accepted: **71164**
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- Difficulty: **Easy**

Remove all elements from a linked list of integers that have value ***val***.

Example

Given: 1 --> 2 --> 6 --> 3 --> 4 --> 5 --> 6, ***val*** = 6

Return: 1 --> 2 --> 3 --> 4 --> 5

Credits:

Special thanks to @mithmatt for adding this problem and creating all test cases.

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```
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode(int x) : val(x), next(NULL) {}
 * };
 */
class Solution {
public:
    ListNode* removeElements(ListNode* head, int val) {
        while(head && head->val == val)
        {
            ListNode * d1 = head;
            head = head->next;
            delete d1;
        }
        if(head == NULL) return head;
        int len = 1;
        ListNode *p = head;
        while(p->next)
        {
            if(p->next->val == val)
            {
                ListNode *tmp = p->next;
                p->next = tmp->next;
                delete tmp;
            }
```

```
            else
            {
                p = p->next;
            }
        }
        return head;
    }
};
```