1. Remove Linked List Elements

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

**Example:**

Input: 1->2->6->3->4->5->6, val = 6  
Output: 1->2->3->4->5

**解**

/\*\*  
 \* Definition for singly-linked list.  
 \* struct ListNode {  
 \* int val;  
 \* ListNode \*next;  
 \* ListNode() : val(0), next(nullptr) {}  
 \* ListNode(int x) : val(x), next(nullptr) {}  
 \* ListNode(int x, ListNode \*next) : val(x), next(next) {}  
 \* };  
 \*/  
class Solution {  
public:  
 ListNode\* removeElements(ListNode\* head, int val) {  
 ListNode \*dummy = new ListNode(0, head);  
 ListNode \*pre = dummy, \*cur = head;  
 while(cur){  
 if(cur->val == val){  
 pre->next = cur->next;  
 cur = cur->next;  
 }else{  
 pre = cur;  
 cur = cur->next;  
 }  
 }  
 return dummy->next;  
 }  
};