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

C++:

```cpp
/**
 * 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) {

    }
};
```

Sample input:
$1 \rightarrow 2 \rightarrow 6 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow \rightarrow 6$

Sample output:
$1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5$