Remove Linked List Elements

```python
class Solution(object):
  def removeElements(self, head, val):
    """
    input: ListNode head, int val
    return: ListNode
    """
    # write your solution here
    fake_head = ListNode('free')
    fake_head.next = head
    while head.next:
      if head.next.val == val:
        remove_node = head.next
        head.next = remove_node.next
        remove_noode.next = None
      else:
        head = head.next
    return fake_head.next
```