

# Reverse Linked List In Pairs

```
1 class Solution(object):
2     def reverseinPairs(self, head):
3         """
4         input: ListNode head
5         return: ListNode
6         """
7         # write your solution here
8         if not head or not head.next:
9             return head
10        fake_head = ListNode(0)
11        fake_head.next = head
12        prev_node = fake_head
13        while head, head.next:
14            next_node = head.next.next
15            prev_node.next = head.next
16            head.next.next = head
17            head.next = next_node
18            prev_node = head
19            head = head.next
20        return fake_head.next
```