연결 리스트를 홀수번째 노드 다음에 짝수번째 노드가 오도록 재구성하라. 공간 복잡도 O(1), 시간 복잡도 O(n)에 풀이하라.

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Input: 1->2->3->4->5->NULL
Output: 1->3->5->2->4->NULL
# Definition for singly-linked list.
# class ListNode:
   def __init__(self, val=0, next=None):
#
      self.val = val
#
      self.next = next
1.반복
class Solution:
  def oddEvenList(self, head: ListNode) -> ListNode:
    if not head:
       return head
    odd, even, even_head = head, head.next, head.next
    while even and even.next:
       odd.next, even.next = odd.next.next, even.next.next
       odd, even = odd.next, even.next
    odd.next = even head
    return head
class Solution:
  def oddEvenList(self, head: ListNode) -> ListNode:
    result = odd = head
    prev = None
    count = 1
    while head:
       if count % 2 and prev:
         odd.next, prev.next, head.next, head, prev, odd = head, head.next, odd.next,
head.next, head, head
         count += 1
         continue
       prev, head = head, head.next
       count += 1
    return result
```