▦ Description	△ Solution	🗩 Discuss (999+)	⏱ Submissions	ⓘ C++

328. Odd Even Linked List
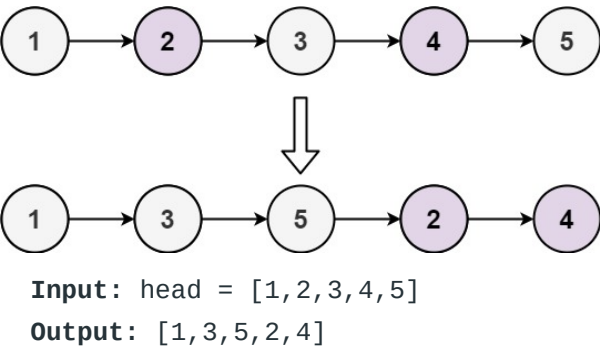
Medium　👍 4295　👎 362　♡ Add to List　⌷ Share

Given the `head` of a singly linked list, group all the nodes with odd indices together followed by the nodes with even indices, and return *the reordered list*.

The **first** node is considered **odd**, and the **second** node is **even**, and so on.
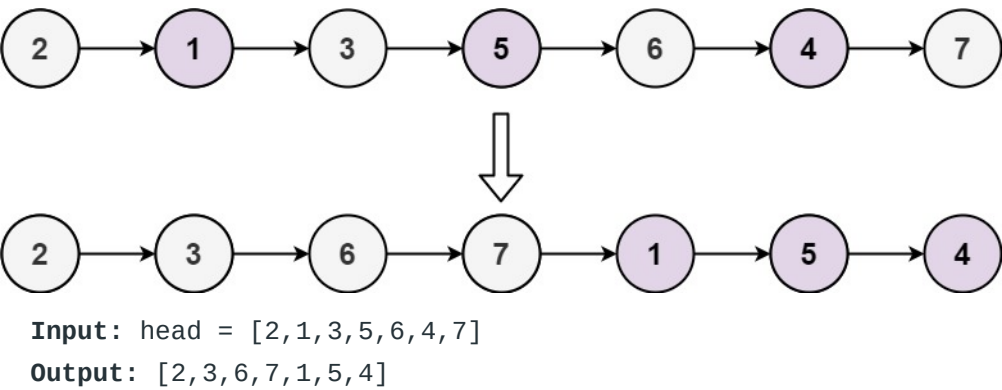
Note that the relative order inside both the even and odd groups should remain as it was in the input.

You must solve the problem in `O(1)` extra space complexity and `O(n)` time complexity.

Example 1:


```
Input: head = [1,2,3,4,5]
Output: [1,3,5,2,4]
```

Example 2:


```
Input: head = [2,1,3,5,6,4,7]
Output: [2,3,6,7,1,5,4]
```

Constraints:

- `n == ` number of nodes in the linked list
- `0 <= n <= 10`^{4}

▤ Problems　　　　⤬ Pick One　　< Prev　328/2093　Next >

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