

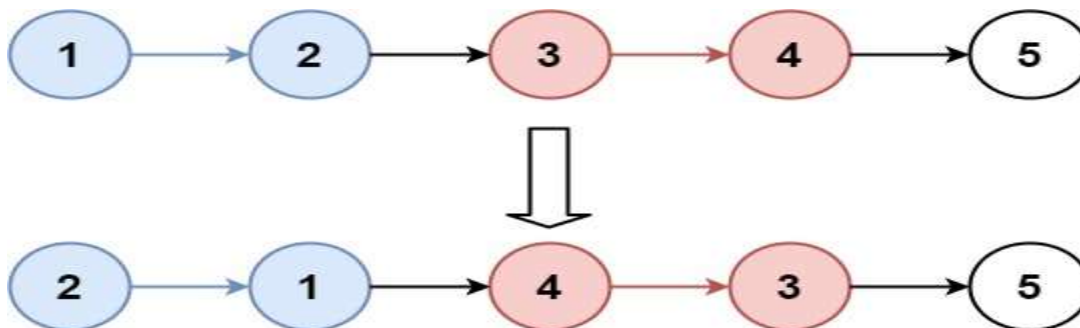
## Reverse Nodes in k-Group

Given the head of a linked list, reverse the nodes of the list k at a time, and return *the modified list*.

k is a positive integer and is less than or equal to the length of the linked list. If the number of nodes is not a multiple of k then left-out nodes, in the end, should remain as it is.

You may not alter the values in the list's nodes, only nodes themselves may be changed.

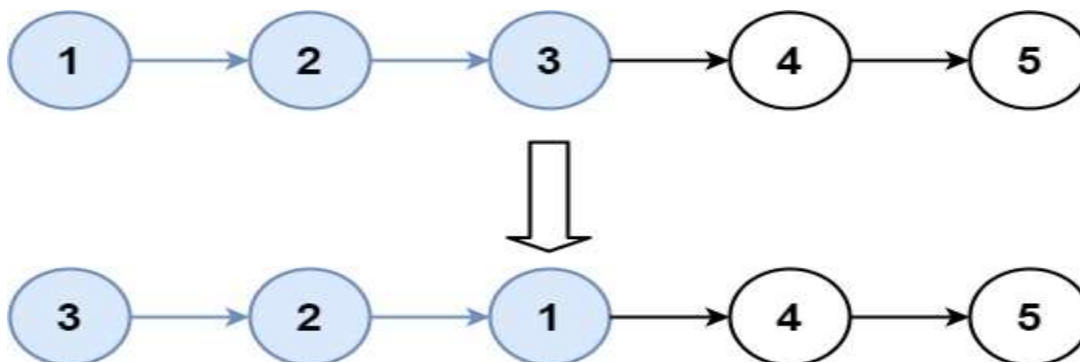
**Example 1:**



**Input:** head = [1,2,3,4,5], k = 2

**Output:** [2,1,4,3,5]

**Example 2:**



**Input:** head = [1,2,3,4,5], k = 3

**Output:** [3,2,1,4,5]

**Constraints:**

- The number of nodes in the list is n.
- $1 \leq k \leq n \leq 5000$
- $0 \leq \text{Node.val} \leq 1000$