**Reverse a Linked List in groups of given size**

Given a linked list of size **N**. The task is to reverse every **k** nodes (where k is an input to the function) in the linked list. If the number of nodes is not a multiple of *k* then left-out nodes, in the end, should be considered as a group and must be reversed (See Example 2 for clarification).

**Example 1:**

**Input:**

LinkedList: 1->2->2->4->5->6->7->8

K = 4

**Output:** 4 2 2 1 8 7 6 5

**Explanation:**

The first 4 elements 1,2,2,4 are reversed first

and then the next 4 elements 5,6,7,8. Hence, the

resultant linked list is 4->2->2->1->8->7->6->5.

**Example 2:**

**Input:**

LinkedList: 1->2->3->4->5

K = 3

**Output:** 3 2 1 5 4

**Explanation:**

The first 3 elements are 1,2,3 are reversed

first and then elements 4,5 are reversed.Hence,

the resultant linked list is 3->2->1->5->4.

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **reverse**() which should reverse the linked list in group of size **k**and return the head of the modified linked list.

**Expected Time Complexity**: O(N)  
**Expected Auxilliary Space**: O(1)

**Constraints:**

1 <= N <= 104  
1 <= k <= N