Linked List Assignment
Batch: Crux

1. Implement code to swap two elements of a Linked List.

2. Eliminate duplicates from a sorted linked list

3. Merge two sorted linked lists into one.

4. Find midpoint of a Linked List

5. Implement Bubble Sort, Selection Sort, Insertion Sort and Merge Sort using recursion.

6. Implement Bubble Sort, Selection Sort, Insertion Sort without using recursion.

7. Check if a linked list is a palindrome

8. Reverse Linked List

   a. Using recursion

   b. Without using recursion

9. Arrange elements in a Linked List such that all even numbers are placed after odd numbers.

10. Print a given linked list in reverse order. Tail first. You can't change any pointer in the linked list.

11. Append the last n elements of a linked list to the front.
    e.g. for 1→ 2→ 3 → 4 → 5 → 6→ null and n = 2 return 5→ 6→ 1→ 2→ 3 → 4 → null

12. Implement kReverse(int k) i.e. you reverse first K elements then reverse next K elements and join the linked list and so on.
    3 → 4 → 5 → 2 → 6 → 1 → 9 for kreverse(3) becomes 5 → 4 → 3 → 1 → 6 → 2 → 9 → 1