
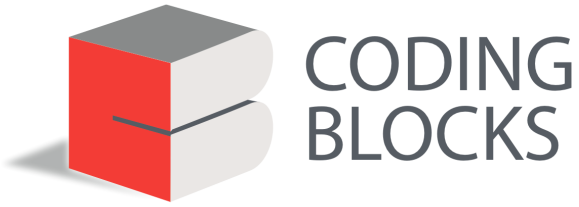


**Linked List Assignment**
**Batch: Crux**

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