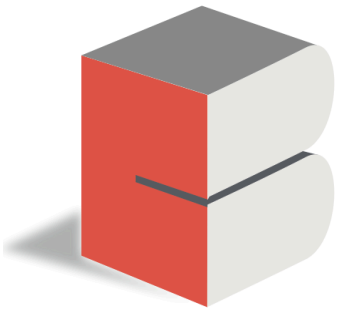

CODING BLOCKS

Linked List Assignment

1. Implement code to swap two elements of a Linked List. (Swap nodes and not just their data)

2. Eliminate duplicates from a sorted linked list

3. Implement Selection Sort, and Insertion Sort iteratively.

4. Check if a linked list is a palindrome

5. Reverse Linked List
    a. Using recursion
    b. Without using recursion

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

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

Bonus Questions

1. 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

2. 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

3. Implement Bubble Sort, Selection Sort and Insertion Sort using recursion.