

ASSIGNMENT 3

LINKED LIST

- 0. Implement (Singly/Doubly/Circular) LinkedList class with CRUD operations**
- 1. [Reverse a linked list](#) (Recursive / Iterative) (Easy)**
2. [Palindromic Linked List](#) (Easy)
- 3. [Add two numbers in the linked list](#) (Medium)**
- 4. [Detect and remove a loop in the linked list](#) (Medium)**
- 5. [Intersection point in the linked list](#) (Easy to Medium)**
6. [Merge k Sorted Linked Lists](#) (Easy to Medium)
- 7. [Arrangement of Odd And Even Nodes In Linked List](#) (Medium)**
8. [Remove all occurrences of duplicates from a sorted Linked List](#) (Medium)
9. **Merge two sorted linked lists (Easy)**
- 10. [Reverse Linked List in K groups](#) (Medium)**
11. **[Clone with Linked With Random Pointers](#) (Medium to Hard)**
- 12. [Reorder Linked List](#) (Hard)**
13. [Swap K nodes from the end](#) (Medium to hard)
14. [Reverse Alternate K nodes](#) (Medium)
15. [Sort a linked list](#) (Hard)
16. Delete Node in linked List (Easy)
17. [Length of longest Palindrome](#) (Hard)

18. [Function to check if a singly linked list is palindrome](#)
19. [Intersection of two Sorted Linked Lists](#)
20. [C/C++ Program for Remove duplicates from a sorted linked list](#)
21. [Remove duplicates from an unsorted linked list geeksforgeeks.org 196 Comments](#)
22. [C/C++ Program for Union and Intersection of two Linked Lists](#)

H/W: Subtract Two Numbers, find the middle element in the linked list.