LINKED LISTS

INDEX

- 1.Write a program to reverse double liked list
- 2. Given only a pointer to a node to be deleted in a singly linked list, how do you delete it
- 3. How would you detect a loop in a linked list? Write a C program to detect a loop in a linked list.
- 4. How do you find the middle of a linked list? Write a C program to return the middle of a linked list
- 5.If you are using C language to implement the heterogeneous linked list, what pointer type will you use?
- 6.How to compare two linked lists? Write a C program to compare two linked lists
- 7. How to create a copy of a linked list? Write a C program to create a copy of a linked list.
- 8. Write a C program to free the nodes of a linked list
- 9. Write a C program to return the nth node from the end of a linked list.
- 10.Write a C program to insert nodes into a linked list in a sorted fashion
- 11. Write a C program to remove duplicates from a sorted linked list
- 12.Write a program that reverses alternate elements in a given linked list

Input : a->b->c->d->e Output : b->a->d->c->e.

13. Write a program to reverse a linked list using recursion

- 14. Write a program to reverse a linked list without using recursion
- 15.Write a program to separate odd and even numbers in a linked list which are in sets of 3
- 16. Write a program to sort a given linked list
- 17. Write a program to insert a number into a sorted double linked list
- 18. Write a program to sort a given double linked list
- 19. Write a C function to detect loop in a linked list
- 20.Detect and Remove Loop in a Linked List
- 21.XOR Linked List A Memory Efficient Doubly Linked List
- 22. Segregate even and odd nodes in a Linked List
- 23.Delete nodes which have a greater value on right side
- 24. Reverse alternate K nodes in a Singly Linked List
- 25.Add two numbers represented by linked lists
- 26.Sorted insert for circular linked list
- 27.Linked List vs Array
- 28. Reverse a Linked List in groups of given size
- 29.Merge two sorted linked lists
- 30.Merge Sort for Linked Lists

- 31.Delete alternate nodes of a Linked List
- 32.Delete a node in a Doubly Linked List
- 33. Pairwise swap elements of a given linked list
- 34. Move last element to front of a given Linked List
- 35.Practice questions for Linked List and Recursion
- 36.Split a Circular Linked List into two halves
- 37. Remove duplicates from an unsorted linked list
- 38. Write a function to get the intersection point of two Linked Lists
- 39. Function to check if a singly linked list is palindrome
- 40.Copy a linked list with next and arbit pointer