LINKLIST

SINGLY LINKED LIST:-

1. Linked List Insertion
2. Find Length of a Linked List (Iterative and Recursive)
3. Search an element in a Linked List (Iterative and Recursive)
4. Write a function that counts the number of times a given int occurs in a Linked List
5. Move last element to front of a given Linked List
6. Linked List Deletion (Deleting a given key)
7. Linked List Deletion (Deleting a key at given position)
8. Delete a given node in Linked List under given constraints (MICROSOFT)
9. Write a function to delete a Linked List
10. Delete nodes which have a greater value on right side
11. Write a function to get Nth node in a Linked List
12. Nth node from the end of a Linked List
13. Print the middle of a given linked list
14. Delete middle of linked list
15. Detect loop in a linked list (MICROSOFT)
16. Find length of loop in linked list
17. Function to check if a singly linked list is palindrome (MICROSOFT)
18. Remove duplicates from a sorted linked list
19. Remove duplicates from an unsorted linked list
20. Swap nodes in a linked list without swapping data (MICROSOFT)
21. Pairwise swap elements of a given linked list
22. Pairwise swap elements of a given linked list by changing links
23. Intersection of two Sorted Linked Lists
24. Intersection point of two Linked Lists. (MICROSOFT)
25. Segregate even and odd nodes in a Linked List
26. Sort a linked list of 0s, 1s and 2s
27. Sort a linked list of 0s, 1s and 2s by changing links
28. Rearrange a given linked list in-place. (MICROSOFT)
29. Sort a linked list that is sorted alternating ascending and descending orders.
30. Delete alternate nodes of a Linked List
31. Rearrange a Linked List in Zig-Zag fashion
32. Sort linked list which is already sorted on absolute values
33. Partitioning a linked list around a given value and keeping the original order
34. Reverse a linked list
35. Iteratively Reverse a linked list using only 2 pointers (An Interesting Method)

36. Reverse a Linked List in groups of given size (MICROSOFT)
37. Delete N nodes after M nodes of a linked list (MICROSOFT)
38. Merge two sorted linked lists such that merged list is in reverse order
39. Add two numbers represented by linked lists | Set 1 (MICROSOFT)
40. Add two numbers represented by linked lists | Set 2
41. Add 1 to a number represented as linked list
42. Subtract Two Numbers represented as Linked Lists
43. Rotate a Linked List
44. Rotate Linked List block wise
45. Flattening a Linked List
46. Flatten a multilevel linked list
47. Flatten a multi-level linked list | Set 2 (Depth wise)
48. Given a linked list of line segments, remove middle points
49. Clone a linked list with next and random pointer | Set 1
50. Clone a linked list with next and random pointer | Set 2
51. Clone a linked list with next and random pointer in O(1) space
52. Select a Random Node from a Singly Linked List (MICROSOFT)
53. Point arbit pointer to greatest value right side node in a linked list
54. Delete last occurrence of an item from linked list
55. Decimal Equivalent of Binary Linked List (COMPANY)
56. Find pair for given sum in a sorted singly linked without extra space
57. Count pairs from two linked lists whose sum is equal to a given value
58. Find a triplet from three linked lists with sum equal to a given number
59. Length of longest palindrome list in a linked list using O(1) extra space
60. Adding two polynomials using Linked List
61. Move all occurrences of an element to end in a linked list
62. Remove all occurrences of duplicates from a sorted Linked List
63. Remove every k-th node of the linked list
64. Merge two sorted linked lists
65. Merge two sorted lists (in-place)
66. Merge a linked list into another linked list at alternate positions
67. In-place Merge two linked lists without changing links of first list
68. Merge K sorted linked lists | Set 1 (MICROSOFT)
69. Merge k sorted linked lists | Set 2 (Using Min Heap) (MICROSOFT)
70. Union and Intersection of two Linked Lists
71. Union and Intersection of two linked lists | Set-2 (Using Merge Sort)
72. Union and Intersection of two linked lists | Set-3 (Hashing)
73. Generic Linked List in C
74. QuickSort on Singly Linked List
75. Insertion Sort for Singly Linked List

76. Merge Sort for Linked Lists (MICROSOFT)

Doubly Linked List :

1. Doubly Linked List Introduction and Insertion
2. Program to find size of Doubly Linked List
3. Delete a Doubly Linked List node at a given position
4. Delete a node in a Doubly Linked List
5. Reverse a Doubly Linked List
6. QuickSort on Doubly Linked List
7. Merge Sort for Doubly Linked List
8. Find pairs with given sum in doubly linked list
9. Count triplets in a sorted doubly linked list whose sum is equal to a given value x
10. Insert value in sorted way in a sorted doubly linked list
11. Remove duplicates from a sorted doubly linked list
12. Delete all occurrences of a given key in a doubly linked list
13. Remove duplicates from an unsorted doubly linked list
14. Sort a k sorted doubly linked list
15. Priority Queue using doubly linked list

Circular Linked List :

1. Circular Linked List Introduction and Applications,
2. Circular Singly Linked List | Insertion
3. Circular Linked List Traversal
4. Check if a linked list is Circular Linked List
5. Deletion from a Circular Linked List
6. Split a Circular Linked List into two halves
7. Sorted insert for circular linked list
8. Circular Queue | Set 2 (Circular Linked List Implementation)
9. Josephus Circle using circular linked list (MICROSOFT)
10. Convert singly linked list into circular linked list
11. Implementation of Deque using circular array
12. Doubly Circular Linked List | Set 1 (Introduction and Insertion)
13. Doubly Circular Linked List | Set 2 (Deletion)