# 450 DSA Cracker

## Topics (/) / Linked List

| Serial No. | Questions |
|---|---|
| 1 | Write a Program to reverse the Linked List. (Both Iterative and recursive) (https://www.geeksforgeeks.org/reverse-a-linked-list/) |
| 2 | Reverse a Linked List in group of Given Size. [Very Imp] (https://practice.geeksforgeeks.org/problems/reverse-a-linked-list-in-groups-of-given-size/1) |
| 3 | Write a program to Detect loop in a linked list. (https://practice.geeksforgeeks.org/problems/detect-loop-in-linked-list/1) |
| 4 | Write a program to Delete loop in a linked list. (https://practice.geeksforgeeks.org/problems/remove-loop-in-linked-list/1) |
| 5 | Find the starting point of the loop. (https://www.geeksforgeeks.org/find-first-node-of-loop-in-a-linked-list/) |
| 6 | Remove Duplicates in a sorted Linked List. (https://practice.geeksforgeeks.org/problems/remove-duplicate-element-from-sorted-linked-list/1) |
| 7 | Remove Duplicates in a Un-sorted Linked List. (https://practice.geeksforgeeks.org/problems/remove-duplicates-from-an-unsorted-linked-list/1) |
| 8 | Write a Program to Move the last element to Front in a Linked List. (https://www.geeksforgeeks.org/move-last-element-to-front-of-a-given-linked-list/) |
| 9 | Add “1” to a number represented as a Linked List. (https://practice.geeksforgeeks.org/problems/add-1-to-a-number-represented-as-linked-list/1) |
| 10 | Add two numbers represented by linked lists. (https://practice.geeksforgeeks.org/problems/add-two-numbers-represented-by-linked-lists/1) |

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| 11 | Intersection of two Sorted Linked List. (https://practice.geeksforgeeks.org/problems/intersection-of-two-sorted-linked-lists/1) |
| 12 | Intersection Point of two Linked Lists. (https://practice.geeksforgeeks.org/problems/intersection-point-in-y-shapped-linked-lists/1) |
| 13 | Merge Sort For Linked lists.[Very Important] (https://practice.geeksforgeeks.org/problems/sort-a-linked-list/1) |
| 14 | Quicksort for Linked Lists.[Very Important] (https://practice.geeksforgeeks.org/problems/quick-sort-on-linked-list/1) |
| 15 | Find the middle Element of a linked list. (https://leetcode.com/problems/middle-of-the-linked-list/) |
| 16 | Check if a linked list is a circular linked list. (https://practice.geeksforgeeks.org/problems/circular-linked-list/1) |
| 17 | Split a Circular linked list into two halves. (https://practice.geeksforgeeks.org/problems/split-a-circular-linked-list-into-two-halves/1) |
| 18 | Write a Program to check whether the Singly Linked list is a palindrome or not. (https://practice.geeksforgeeks.org/problems/check-if-linked-list-is-pallindrome/1) |
| 19 | Deletion from a Circular Linked List. (https://www.geeksforgeeks.org/deletion-circular-linked-list/) |
| 20 | Reverse a Doubly Linked list. (https://practice.geeksforgeeks.org/problems/reverse-a-doubly-linked-list/1) |
| 21 | Find pairs with a given sum in a DLL. (https://www.geeksforgeeks.org/find-pairs-given-sum-doubly-linked-list/) |
| 22 | Count triplets in a sorted DLL whose sum is equal to given value “X”. (https://www.geeksforgeeks.org/count-triplets-sorted-doubly-linked-list-whose-sum-equal-given-value-x/) |
| 23 | Sort a “k”sorted Doubly Linked list.[Very IMP] (https://www.geeksforgeeks.org/sort-k-sorted-doubly-linked-list/) |
| 24 | Rotate DoublyLinked list by N nodes. (https://www.geeksforgeeks.org/rotate-doubly-linked-list-n-nodes/) |
| 25 | Rotate a Doubly Linked list in group of Given Size.[Very IMP] (https://www.geeksforgeeks.org/reverse-doubly-linked-list-groups-given-size/) |

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| 26 | Can we reverse a linked list in less than O(n) ? (<->) |
| 27 | Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists ? (<->) |
| 28 | Flatten a Linked List (https://practice.geeksforgeeks.org/problems/flattening-a-linked-list/1) |
| 29 | Sort a LL of 0's, 1's and 2's (https://practice.geeksforgeeks.org/problems/given-a-linked-list-of-0s-1s-and-2s-sort-it/1) |
| 30 | Clone a linked list with next and random pointer (https://practice.geeksforgeeks.org/problems/clone-a-linked-list-with-next-and-random-pointer/1) |
| 31 | Merge K sorted Linked list (https://practice.geeksforgeeks.org/problems/merge-k-sorted-linked-lists/1) |
| 32 | Multiply 2 no. represented by LL (https://practice.geeksforgeeks.org/problems/multiply-two-linked-lists/1) |
| 33 | Delete nodes which have a greater value on right side (https://practice.geeksforgeeks.org/problems/delete-nodes-having-greater-value-on-right/1) |
| 34 | Segregate even and odd nodes in a Linked List (https://practice.geeksforgeeks.org/problems/segregate-even-and-odd-nodes-in-a-linked-list/0) |
| 35 | Program for n'th node from the end of a Linked List (https://practice.geeksforgeeks.org/problems/nth-node-from-end-of-linked-list/1) |
| 36 | Find the first non-repeating character from a stream of characters (https://practice.geeksforgeeks.org/problems/first-non-repeating-character-in-a-stream/0) |