



LINKED LISTS - SET 3 QUESTIONS

Question 1:

❖ Problem link:

https://practice.geeksforgeeks.org/problems/count-pairs-whose-sum-is-equal-to--x/1

Difficulty level: Easy

Expected Complexity:

 \rightarrow Time: O(M+N)

Extra space: O(M+N)

Question 2:

Problem link: https://leetcode.com/problems/middle-of-the-linked-list/

Difficulty level: Easy

Expected Complexity:

➤ Time: O(N)

> Extra space: O(1)

Question 3:

Problem link:

https://practice.geeksforgeeks.org/problems/add-1-to-a-number-represented-as-linked-list/1

Difficulty level: Easy

Expected Complexity:

➤ Time: O(N)

> Extra space: O(1)



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Question 4:

Problem link: https://leetcode.com/problems/partition-list/

Difficulty level: Medium

Expected Complexity:

 \rightarrow Time: O(n)

> Extra space: O(1)

Question 5:

Problem link: https://leetcode.com/problems/linked-list-cycle-ii/

Difficulty level: Medium

Expected Complexity:

➤ Time: O(n)

Extra space: O(1)

Question 6:

Problem link: https://leetcode.com/problems/add-two-numbers-ii/

Difficulty level: MediumExpected Complexity:

➤ Time: O(m+n)

Extra space: O(max(m,n))



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Question 7:

Problem link: https://leetcode.com/problems/split-linked-list-in-parts/

Difficulty level: Medium

Expected Complexity:

➤ Time:O(n+k)

> Extra space: O(k)

Question 8:

❖ Problem link:

https://practice.geeksforgeeks.org/problems/length-of-longest-palindrome-in-linked-list/1

Difficulty level: Hard

Expected Complexity:

 \rightarrow Time: O(n²)

> Extra space: O(1)

Question 9:

Problem link: https://practice.geeksforgeeks.org/problems/sort-a-linked-list/1

Difficulty level: Hard

Expected Complexity:

> Time: O(N log N)

> Extra space: O(log N)

Note: The solutions of all these questions will be provided on 5th June, 2021