



LINKED LISTS - SET 1 QUESTIONS

Question 1:

Problem link:

https://practice.geeksforgeeks.org/problems/detect-loop-in-linked-list/1

Difficulty level: Easy

Expected Complexity:

 \rightarrow Time: O(n)

> Extra space: O(1)

Question 2:

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

Difficulty level: Easy

Expected Complexity:

➤ Time: O(n)

> Extra space: O(1)

Question 3:

❖ Problem link:

https://practice.geeksforgeeks.org/problems/remove-duplicate-element-from-sorted-linked-list/1

Difficulty level: Easy

Expected Complexity:

➤ Time: O(n)

> Extra space: O(1)



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Question 4:

Problemlink: https://leetcode.com/problems/intersection-of-two-linked-lists/

Difficulty level: Easy

Expected Complexity:

 \rightarrow Time: O(n)

> Extra space: O(1)

Question 5:

Problem link: https://leetcode.com/problems/odd-even-linked-list/

Difficulty level: Medium

Expected Complexity:

 \rightarrow Time: O(n)

> Extra space: O(1)

Question 6:

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

Difficulty level: Medium

Expected Complexity:

ightharpoonup Time: O(n) n=length of linkedlist

> Extra space: O(1)



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Question 7:

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

Difficulty level: Medium

Expected Complexity:

 \rightarrow Time: O(max(m,n))

> Extra space: O(max(m,n)) - considering new list

Question 8:

❖ Problem link:

https://practice.geeksforgeeks.org/problems/clone-a-linked-list-with-next-and-random-pointer/1

Difficulty level: Hard

Expected Complexity:

➤ Time: O(n)

> Extra space: O(1)

Question 9:

Problem link: https://leetcode.com/problems/reverse-nodes-in-k-group/

Difficulty level: Hard

Expected Complexity:

➤ Time: O(n)

> Extra space: O(1)

Note: The solutions of all these questions will be provided on 1st June, 2021