Data Structures & Algorithms using Python

Quiz Answers

Linked List - 2

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Quiz Answers

1. Circular doubly LL

Given an unsorted circular doubly linked list, suppose you have reference (or pointer) to its head node only, which of the following operation can be implemented in O(1) time?

i) Insertion at the front of the linked list
ii) Insertion at the end of the linked list
iii) Deletion of the last node of the linked list
iv) Deletion of the front node of the linked list

I and II
I,II and III
I,II,III and IV
None

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2. Traversal in LL

In doubly linked lists, traversal can be done in ?

Only forward direction
Only reverse direction
Both directions
None of the above

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3. Double LL

Given an unsorted doubly Linked List, suppose you have references (or pointer) to its head and tail nodes, which of the following operation can be implemented in O(1) time ?

i) Insertion at the front of the linked list
ii) Insertion at the end of the linked list
iii) Deletion of the last node of the linked list
iv) Deletion of the front node of the linked list

I and II
I and III
I,II and III
I,II, III and IV

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4. Circular LL

Given an unsorted circular linked list, suppose you have reference (or pointer) to its head node only, which of the following operation can be implemented in O(1) time?

i) Insertion at the front of the linked list
ii) Insertion at the end of the linked list
iii) Deletion of the last node of the linked list
iv) Deletion of the front node of the linked list

I and II
I and III
I,II and III
None