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Linked List
The time required to search an element in a linked list of
length n is .
A. 0 (log n)
B. 0 (n)
C. 0 (1)
D. 0(n^2)
Answer: A stdio
Which statement is true about linkedlist?
A. If you based it on storage, a linked list is considered
   non-linear.
B. If you based it on access strategies, then a linked
   list is considered linear.
C. Linked list can be considered as only linear
D. A and B
Answer: D
Do we really need a sentinel node?
A. They reduce complexity of the algorithm.
B. They increase operational speed.
C. to increase robustness of the data structure.
D. All of the above
Answer: D
4. Which data structure random access not possible?
A. array
B. string
C. stack
D. linked list
Answer : D
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Linked List
5.
struct node
    int data:
    struct node * next;
typedef struct node NODE; NODE *ptr;
Which of the following c code is used to create new node?
A. ptr=(NODE*)malloc(sizeof(NODE));
B. ptr=(NODE*)malloc(NODE):
C. ptr=(NODE*)malloc(sizeof(NODE*));
D. ptr=(NODE)malloc(sizeof(NODE)):
Answer: A
Which of the following is true about linked list
implementation of queue?
A. In push operation, if new nodes are inserted at the
    beginning of linked list, then in pop operation, nodes
    must be removed from end.
B. In push operation, if new nodes are inserted at the
    end, then in pop operation, nodes must be removed
    from the beginning.
C. Both of the above A and B
D. None of the above
Answer: C
7.
What is the time required in Doubly circular linked list
while jumping from head to tail & from tail to head?
A. O(n)
B. 0(1)
C. O(logn)
D. None of above
Answer: B
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Linked List
8.
What does the following function do for a given Linked
List with first node as head?
void fun1(struct node* head)
  if(head == NULL)
    return:
 fun1(head->next);
 printf("%d ", head->data);
A. Prints all nodes of linked lists
B. Prints all nodes of linked list in reverse order
C. Prints alternate nodes of Linked List
D. Prints alternate nodes in reverse order
Answer: B
You are given pointers to first and last nodes of a singly
linked list, which of the following operations are
dependent on the length of the linked list?
A. Delete the first element
B. Insert a new element as a first element
C. Delete the last element of the list
D. Add a new element at the end of the list
Answer: C
10. What is the time complexity to count the number of
elements in the linked list?
A. 0(1)
B. 0(n)
C. O(logn)
D. 0(n2)
Answer: B
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