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SR.NO	Project NAME	Technology
1	Online E-Learning Platform Hub	React+Springboot+MySQL
2	PG Mates / RoomSharing / Flat Mates	React+Springboot+MySQL
3	Tour and Travel management System	React+Springboot+MySQL
4	Election commition of India (online Voting System)	React+Springboot+MySQL
5	HomeRental Booking System	React+Springboot+MySQL
6	Event Management System	React+Springboot+MySQL
7	Hotel Management System	React+Springboot+MySQL
8	Agriculture web Project	React+Springboot+MySQL
9	AirLine Reservation System / Flight booking System	React+Springboot+MySQL
10	E-commerce web Project	React+Springboot+MySQL
11	Hospital Management System	React+Springboot+MySQL
12	E-RTO Driving licence portal	React+Springboot+MySQL
13	Transpotation Services portal	React+Springboot+MySQL
14	Courier Services Portal / Courier Management System	React+Springboot+MySQL
15	Online Food Delivery Portal	React+Springboot+MySQL
16	Muncipal Corporation Management	React+Springboot+MySQL
17	Gym Management System	React+Springboot+MySQL
18	Bike/Car ental System Portal	React+Springboot+MySQL
19	CharityDonation web project	React+Springboot+MySQL
20	Movie Booking System	React+Springboot+MySQL

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21	Job Portal web project	React+Springboot+MySql
22	LIC Insurance Portal	React+Springboot+MySql
23	Employee Management System	React+Springboot+MySql
24	Payroll Management System	React+Springboot+MySql
25	RealEstate Property Project	React+Springboot+MySql
26	Marriage Hall Booking Project	React+Springboot+MySql
27	Online Student Management portal	React+Springboot+MySql
28	Resturant management System	React+Springboot+MySql
29	Solar Management Project	React+Springboot+MySql
30	OneStepService LinkLabourContractor	React+Springboot+MySql
31	Vehical Service Center Portal	React+Springboot+MySql
32	E-wallet Banking Project	React+Springboot+MySql
33	Blogg Application Project	React+Springboot+MySql
34	Car Parking booking Project	React+Springboot+MySql
35	OLA Cab Booking Portal	React+NextJs+Springboot+MySql
36	Society management Portal	React+Springboot+MySql
37	E-College Portal	React+Springboot+MySql
38	FoodWaste Management Donate System	React+Springboot+MySql
39	Sports Ground Booking	React+Springboot+MySql
40	BloodBank mangement System	React+Springboot+MySql

41	Bus Tickit Booking Project	React+Springboot+MySQL
42	Fruite Delivery Project	React+Springboot+MySQL
43	Woodworks Bed Shop	React+Springboot+MySQL
44	Online Dairy Product sell Project	React+Springboot+MySQL
45	Online E-Pharma medicine sell Project	React+Springboot+MySQL
46	FarmerMarketplace Web Project	React+Springboot+MySQL
47	Online Cloth Store Project	React+Springboot+MySQL
48	Train Ticket Booking Project	React+Springboot+MySQL
49	Quizz Application Project	JSP+Springboot+MySQL
50	Hotel Room Booking Project	React+Springboot+MySQL
51	Online Crime Reporting Portal Project	React+Springboot+MySQL
52	Online Child Adoption Portal Project	React+Springboot+MySQL
53	online Pizza Delivery System Project	React+Springboot+MySQL
54	Online Social Complaint Portal Project	React+Springboot+MySQL
55	Electric Vehical management system Project	React+Springboot+MySQL
56	Online mess / Tiffin management System Project	React+Springboot+MySQL
57		React+Springboot+MySQL
58		React+Springboot+MySQL
59		React+Springboot+MySQL
60		React+Springboot+MySQL

Spring Boot + React JS + MySQL Project List

Sr.No	Project Name	YouTube Link
1	Online E-Learning Hub Platform Project	https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW
2	PG Mate / Room sharing/Flat sharing	https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp
3	Tour and Travel System Project Version 1.0	https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12
4	Marriage Hall Booking	https://youtu.be/VXz0kZQi5to?si=IiOS-QG3TpAFP5k7
5	Ecommerce Shopping project	https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq
6	Bike Rental System Project	https://youtu.be/FIzsAmIBCbk?si=7ujQTJqEgkQ8ju2H
7	Multi-Restaurant management system	https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB
8	Hospital management system Project	https://youtu.be/lynLouBZvY4?si=CXzQs3BsRkjKhZCw
9	Municipal Corporation system Project	https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5iF
10	Tour and Travel System Project version 2.0	https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ

Sr.No	Project Name	YouTube Link
11	Tour and Travel System Project version 3.0	https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug
12	Gym Management system Project	https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX
13	Online Driving License system Project	https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn
14	Online Flight Booking system Project	https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh
15	Employee management system project	https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H
16	Online student school or college portal	https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD
17	Online movie booking system project	https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSISm
18	Online Pizza Delivery system project	https://youtu.be/Tp3izreZ458?si=8eWA OzA8SVdNwlyM
19	Online Crime Reporting system Project	https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO
20	Online Children Adoption Project	https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802i7N

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33. The time required to search an element in a linked list of length n is

34. Is it possible to add node before specified node in a singly linked list?

35. Which of the following is suitable data structure to implement priority queue?

36. Which of the following implementation is correct to count the total number of nodes in singly circular linked-list?

37. Which of the following are application of linked list?

Answers

1. A. It is used in the navigational systems where front and back navigation is required

2. B. To implement stacks and queues

3. C. To implement Hash tables

4. D. All of the above

5. E. Only A

38. Which of the following asymptotic notation is used represent lower bound?

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36. Which of the following implementation is correct to count the total number of nodes in singly circular linked-list?

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1. A. Big-Oh (O) Notation
2. B. Big-Omega (Ω) notation
3. C. Big-Theta(Θ) notation
4. D. None of the above

39. Prim's algorithm is a.....

40. Consider the following AVL tree.

```
graph TD; 60 --> 20; 60 --> 100; 20 --> 10
```

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37. Which of the following are application of linked list?

38. Which of the following asymptotic notation is used represent lower bound?

39. Prim's algorithm is a.....

Answers

1. A. Divide and conquer algorithm

2. B. Greedy algorithm

3. C. Dynamic programming

4. D. Approximation algorithm

40. Consider the following AVL tree.

```
graph TD; 60 --- 20; 60 --- 100; 20 --- 80; 20 --- 100; 100 --- 80; 100 --- 120;
```

Which of the following operation need to do after insertion of 70?

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38. Which of the following asymptotic notation is used represent lower bound?

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40. Consider the following AVL tree.

60
/ \
20 100
/ \
80 120

Which of the following operation need to do after insertion of 70?

Answers

1. A. Rotate right and rotate left

2. B. Rotate left and rotate right

3. C. Need to Rotate left twice

4. D. Need to Rotate right twice

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Summary

Summary of your recent exam

Result: **Pass**

Marks: **29/40**

Percentage: **72.50 %**

Questions: **40**

Correct Answers: **29**

Attempted: **40**

1. Which of the following sorting algorithms in its typical implementation gives best performance when applied on an array which is sorted or almost sorted?

Answers

1. A. Quick Sort
2. B. Heap Sort
3. C. Merge Sort
4. D. Insertion sort

2. What is the best time complexity of bubble sort?

3. Consider a situation where swap operation is very costly. Which of the following sorting algorithms should be preferred so that the number of swap operations is minimum?



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2. What is the best time complexity of bubble sort?

Answers

1. A. $O(n)^2$

2. B. $O(n) \log n$

3. C. $O(n)$

4. D. $O(n) (\log n)^2$

3. Consider a situation where swap operation is very costly. Which of the following sorting algorithms should be preferred so that the number of swaps is minimum?

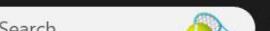
4. Which of the following algorithm design technique is used in Quick sort?

5. Selection sort algorithm design technique is an example of

6. The result of evaluating postfix expression $539*74-/+62*-$ is

7. What would be the time complexity of push and pop operation if, the stack implemented using linked list?

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4. Which of the following algorithm design technique is used in Quick sort?

Answers

1. A. Greedy method
2. B. Backtracking
3. C. Dynamic programming
4. D. Divide and Conquer

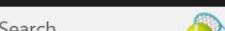
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I. If the space is to be used efficiently, the condition for stack full is $top1 = top2 - 1$

II. The condition for stack full is $top1 + top2 = MAXSIZE$

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Answers

1. A. O(1) for insertion O(n) for deletion

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3. C. O(n) for insertion O(1) for deletion

4. D. O(n) for insertion O(n) for deletion

8. If one dimensional array $A[MAXSIZE]$ is used to implement two stacks provided two stacks grow from opposite ends of the array. Variables top1 and top2 are used to indicate the top of each stack. Then

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9. The _____ data structure is used to check whether an arithmetic expression has balanced parenthesis or not

10. Which of the following is the disadvantage of the array?

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5. Selection sort algorithm design technique is an example of

6. The result of evaluating postfix expression $539*74-/+62*-$ is

Answers

1. A. 16
2. B. 2
3. C. -7
4. D. 3

7. What would be the time complexity of push and pop operation if, the stack implemented using linked list?

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- I. If the space is to be used efficiently, the condition for stack full is $\text{top1} = \text{top2} - 1$
- II. The condition for stack full is $\text{top1} + \text{top2} = \text{MAXSIZE}$

Answers

1. A. Only I is true

2. B. Only II is true

3. C. Both I and II are true

4. D. Both I and II are false

9. The _____ data structure is used to check whether an arithmetic expression has balanced parenthesis or not

10. Which of the following is the disadvantage of the array?

11. Which one of the following is an application of Queue Data Structure?

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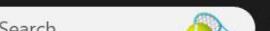
Answers

1. A. Queue
2. B. List
3. C. Tree
4. D. Stack

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10. Which of the following is the disadvantage of the array?

Answers

1. A. If user wishes to store multiple values of similar type then the Array can be used and utilized efficiently.

2. B. In arrays, the elements can be accessed randomly by using the index number.

3. C. Insertion and deletion are quite difficult in an array as the elements are stored in consecutive memory locations and the shifting operation is costly.

4. D. Arrays allocate memory in contiguous memory locations for all its elements.

11. Which one of the following is an application of queue data structure?

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9. The _____ data structure is used to check whether an arithmetic expression has balanced parenthesis or not

10. Which of the following is the disadvantage of the array?

11. Which one of the following is an application of Queue Data Structure?

Answers

1. A. Spooling in printers
2. B. Queues in routers/ switches
3. C. Evaluation of Arithmetic Expressions
4. D. All of the above
5. E. Both A and B

12. Which of the following is true about linked list implementation of queue?

13. Consider the following pseudo code. Assume that IntQueue is an integer queue. What does the function fun do?

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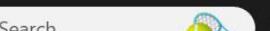
12. Which of the following is true about linked list implementation of queue?

Answers

1. 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.
2. B. In push operation, if new nodes are inserted at the end of linked list, then in pop operation, nodes must be removed from beginning.
3. C. Queue data structure can be used to implement least recently used (LRU) page fault algorithm and Quick short algorithm.
4. D. All of the above

13. Consider the following pseudo code. Assume that IntQueue is an integer queue. What does the function fun do?
void fun(int n)
{
 ...
}

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13. Consider the following pseudo code. Assume that IntQueue is an integer queue. What does the function fun do?

```
void fun(int n)
{
    IntQueue q = new IntQueue();
    q.enqueue(0);
    q.enqueue(1);
    for (int i = 0; i < n; i++)
    {
        int a = q.dequeue();
        int b = q.dequeue();
        q.enqueue(b);
        q.enqueue(a + b);
        print(a);
    }
}
```

Answers

1. A. Prints numbers from 0 to n-1

2. B. Prints numbers from n-1 to 0

3. C. Prints first n Fibonacci numbers

4. D. Prints first n Fibonacci numbers in reverse order.

14.is an abstract data type that generalizes a queue, for which elements can be added to or removed from either the front or rear e

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```
q.enqueue(1);
for (int i = 0; i < n; i++)
{
    int a = q.dequeue();
    int b = q.dequeue();
    q.enqueue(b);
    q.enqueue(a + b);
    print(a);
}
```

14.is an abstract data type that generalizes a queue, for which elements can be added to or removed from either the front or rear end.

Answers

1. A. Double ended queue
2. B. Deck
3. C. Deque
4. D. only A is correct
5. E. Both A and C are correct

15. What will be queue full condition for circular queue if implemented using static array, provided rear and front are initially -1?

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```
q.enqueue(1);
for (int i = 0; i < n; i++)
{
    int a = q.dequeue();
    int b = q.dequeue();
    q.enqueue(b);
    q.enqueue(a + b);
    print(a);
}
```

14.is an abstract data type that generalizes a queue, for which elements can be added to or removed from either the front or rear end?

15. What will be queue full condition for circular queue if implemented using static array, provided rear and front are initially -1?

Answers

1. A. rear==SIZE

2. B. rear==SIZE-1

3. C. (rear+1)%size==front

4. D. None of the above

16. Which of the following statement is true about the complete binary tree?

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- I. In complete binary tree, every level must be filled from left to right direction
- II. Every full binary tree can be considered as a complete binary tree but reverse is not true

Answers

1. A. Only I is true

2. B. Only II is true

3. C. Both I and II are True

4. D. None of the above

17. Which one of the following is an application of Graph Data Structure?

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I. In complete binary tree, every level must be filled from left to right direction
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17. Which one of the following is an application of Graph Data Structure?

Answers

1. A. Electronic circuit simulation
2. B. Path Optimization Algorithms.
3. C. Scientific Computations
4. D. All of the above

18. In binary tree if non-leaf node has non-empty left sub-tree and non-empty right sub-tree then such binary tree is called as

19. Suppose the numbers 90, 110, 120, 60, 40, 70, 90, 100, 85 are inserted in that order into an initially empty binary search tree. The binary search tree

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17. Which one of the following is an application of Graph Data Structure?

18. In binary tree if non-leaf node has non-empty left sub-tree and non-empty right sub-tree then such binary tree is called as

Answers

1. A. Strictly binary tree
2. B. Complete binary tree
3. C. Full binary tree
4. D. Skewed binary tree

19. Suppose the numbers 80 110 120 60 40 70 90 100 85 are inserted in that order into an initially empty binary search tree.

20. Given an undirected graph G with 5 vertices and 7 edges, the sum of the degrees of all vertices is:

21. what would be the number of zeros in the adjacency matrix of given graph?

22. How many undirected graphs (not necessarily connected) can be constructed out of a given set $V = \{v_1, v_2, \dots, v_n\}$ of n vertices?

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Answers

1. A. 80 60 40 70 110 90 85 100 120

2. B. 40 60 70 80 85 90 100 110 120

3. C. 40 70 60 85 100 90 120 110 80

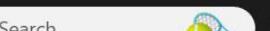
4. D. 40 60 70 85 90 100 110 120 80

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Answers

1. A. 7

2. B. 5

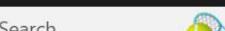
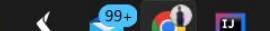
3. C. 10

4. D. 14

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21. what would be the number of zeros in the adjacency matrix of given graph?

Answers

1. A. 10

2. B. 6

3. C. 16

4. D. 0

22. How many undirected graphs (not necessarily connected) can be constructed out of a given set $V = \{v_1, v_2, \dots, v_n\}$ of n vertices?

23. Which of the following statement is correct about flow chart and a pseudocode?

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Answers

1. A. $n(n-1)/2$

2. B. 2^n

3. C. $n!$

4. D. $2^n(n-1)/2$

23. Which of the following statement is correct about flow chart and a pseudocode?

24. Which of the following is advantage of linked-list over array?

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23. Which of the following statement is correct about flow chart and a pseudocode?

Answers

1. A. A flowchart is a diagram while the pseudo code is written in any programming language

2. B. A flowchart is textual but the pseudocode is a diagram

3. C. A flowchart is a schematic description of an algorithm, while pseudo-code is a textual description of an algorithm, while pseudo-

4. D. A flowchart and a pseudo-code are the same

24. Which of the following is advantage of linked-list over array?

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22. How many undirected graphs (not necessarily connected) can be constructed out of a given set $V = \{v_1, v_2, \dots, v_n\}$ of n vertices?

23. Which of the following statement is correct about flow chart and a pseudocode?

24. Which of the following is advantage of linked-list over array?

Answers

1. A. Inserting a new element in an linked-list of elements is easy as compared to array.

2. B. The size of linked-list is fixed

3. C. Extra memory space for a pointer is required with each element of the list

4. D. Random access is not allowed.

25. Which of the following statement(s) is TRUE?

I. A hash function takes a message of arbitrary length and generates a fixed length code.

II. A hash function takes a message of fixed length and generates a code of variable length.

III. A hash function may give the same hash value for distinct messages.

26. Which of the following statement(s) is/are correct regarding Bellman-Ford shortest path algorithm?

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I. A hash function takes a message of arbitrary length and generates a fixed length code.
II. A hash function takes a message of fixed length and generates a code of variable length.
III. A hash function may give the same hash value for distinct messages.

Answers

1. A. Only I

2. B. Both II and III

3. C. Both I and III

4. D. Only II

26. Which of the following statement(s) is/are correct regarding Bellman-Ford shortest path algorithm?
I. Always finds a negative weighted cycle, if one exists.
II. Finds whether any negative weighted cycle is reachable from the source.

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- II. Finds whether any negative weighted cycle is reachable from the source.

Answers

1. A. Only I

2. B. Both I and II

3. C. Only II

4. D. None of the above

27. Merge Sort works on two principles

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27. Merge Sort works on two principles

Answers

1. A. To sort smaller size array and to merge two already sorted array operations are not efficient.

2. B. To sort smaller size array and to merge two already sorted array operations are efficient.

3. C. To sort smaller size array is efficient and to merge two already sorted array is not efficient.

4. D. To sort smaller size array is not efficient and to merge two already sorted array is efficient.

28. How many pointers need to modify to insert any element at the front of the singly linear linked-list.

29. Dijkstra's Algorithm cannot be applied on

30. What is the worst case time complexity of traversal of doubly linked list ?

31. In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is

32. Which of the following is/are advantages of circular linked list?

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27. Merge Sort works on two principles

28. How many pointers need to modify to insert any element at the front of the singly linear linked-list.

Answers

1. A. 1
2. B. 2
3. C. 3
4. D. 4

29. Dijkstra's Algorithm cannot be applied on

30. What is the worst case time complexity of traversal of doubly linked list ?

31. In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is

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27. Merge Sort works on two principles

28. How many pointers need to modify to insert any element at the front of the singly linear linked-list.

29. Dijkstra's Algorithm cannot be applied on

Answers

1. A. Directed and weighted graphs

2. B. Graphs having negative weight function

3. C. Unweighted graphs

4. D. Undirected and unweighted graphs

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Answers

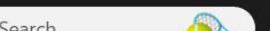
1. A. $O(1)$
2. B. $O(\log n)$
3. C. $O(n)$
4. D. $O(n \log n)$

31. In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is

32. Which of the following is/are advantages of circular linked list?

33. The time required to search an element in a linked list of length n is

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Answers

1. A. $\log(n)$

2. B. n

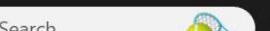
3. C. $n/2$

4. D. None of the above

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30. What is the worst case time complexity of traversal of doubly linked list ?

31. In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is

32. Which of the following is/are advantages of circular linked list?

Answers

1. A. We can traverse the whole list by starting from any point. We just need to stop when the first visited node is visited again.

2. B. Circular Doubly Linked Lists are used for implementation of advanced data structures like Fibonacci Heap.

3. C. Only A

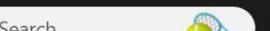
4. D. Both A and B

33. The time required to search an element in a linked list of length n is

34. Is it possible to add node before specified node in a singly linked list?

35. Which of the following is suitable data structure to implement priority queue?

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33. The time required to search an element in a linked list of length n is

Answers

1. A. $O(\log n)$

2. B. $O(n)$

3. C. $O(1)$

4. D. $O(n^2)$

34. Is it possible to add node before specified node in a singly linked list?

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33. The time required to search an element in a linked list of length n is

34. Is it possible to add node before specified node in a singly linked list?

Answers

1. A. Not possible

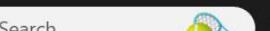
2. B. yes, possible but need to traverse the corresponding list twice.

3. C. yes, possible by adding node after specified position and then by swapping the position.

4. D. Both B and C

35. Which of the following is suitable data structure to implement priority queue?

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Answers

1. A. Graph

2. B. Heap data structure

3. C. Linked List

4. D. Both B and C

5. E. Only C

36. Which of the following implementation is correct to count the total number of nodes in singly circular linked-list?

37. Which of the following are application of linked list?

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33. The time required to search an element in a linked list of length n is

34. Is it possible to add node before specified node in a singly linked list?

35. Which of the following is suitable data structure to implement priority queue?

36. Which of the following implementation is correct to count the total number of nodes in singly circular linked-list?

Answers

1. A. `int count_node { int count= 0; node_t *trav = head; do { ++count; trav = trav->next; }while(trav != head); return count; }`

2. B. `int count_node { int count= 0; node_t *trav = head; while(trav != NULL) { ++count; trav = trav->next; } return count; }`

3. C. `int count_node { int count= 0; node_t *trav = head; while(trav != head) { ++count; trav = trav->next; } return count; }`

4. D. `int count_node { int count= 0; node_t *trav = head; do { ++count; trav = trav->next; }while(trav != NULL); return count; }`

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