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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
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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
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52	Online Child Adoption Portal Project	React+Springboot+MySQL
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57		React+Springboot+MySQL
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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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Algorithm and Data Structure -1 Exam

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 1

What is a doubly linked list?

Options:

- A linked list where each node contains a value and a reference (or pointer) to the next node in the sequence.
- A linked list where each node contains a value and references (or pointers) to both the next node and the previous node in the sequence.
- A linked list where each node contains a value and three references (or pointers) to the next node, the previous node, and a random node in the sequence.
- A linked list where each node contains a value and no references (or pointers) to other nodes.

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Algorithm and Data Structure -1 Exam

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 1

What is a doubly linked list?

Options:

- A linked list where each node contains a value and a reference (or pointer) to the next node in the sequence.
- A linked list where each node contains a value and references (or pointers) to both the next node and the previous node in the sequence.
- A linked list where each node contains a value and three references (or pointers) to the next node, the previous node, and a random node in the sequence.
- A linked list where each node contains a value and no references (or pointers) to other nodes.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 2

What is the purpose of an array's length property?

Options:

- To modify the size of the array.
- To access the first element in the array.
- To determine the total number of elements in the array.
- None of the above.

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Algorithm and Data Structure -1 Exam

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 3

What is the difference between a one-dimensional array and a two-dimensional array?

Options:

- A one-dimensional array can store only one type of data, while a two-dimensional array can store multiple types of data.
- A one-dimensional array can only be accessed using an index, while a two-dimensional array can be accessed using two indices.
- A one-dimensional array is a fixed-size array, while a two-dimensional array can be resized dynamically.
- None of the above.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 4

Which type of algorithm is used to solve problems that are too difficult or time-consuming to solve using deterministic algorithms?

Options:

- Randomized algorithm
- Heuristic algorithm
- Approximate algorithm
- Exact algorithm

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 5

Which type of algorithm is used to solve problems by breaking them down into smaller, more manageable subproblems?

Options:

- Dynamic programming
- Greedy algorithm
- Backtracking
- Divide-and-conquer

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Question No: 6

What is the time complexity of inserting an element into a binary search tree?

Options:

- O(1)
- O(log n)
- O(n)
- O(n^2)

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Question No: 7

What is the difference between a binary search tree (BST) and a binary tree?

Options:

- A BST has a maximum of two children per node, while a binary tree can have any number of children per node.
- A BST has all nodes in the left subtree smaller than the root, and all nodes in the right subtree larger than the root.
- A BST is more efficient for searching for elements than a binary tree.
- All of the above

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Question No: 8

What is the process of traversing a tree in a breadth-first manner called?

Options:

- Depth-first traversal
- In-order traversal
- Level-order traversal
- Post-order traversal

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Question No: 9

What is the maximum number of nodes that a binary tree with n levels can have?

Options:

- 2^n
- n
- $\log_2(n)$
- n^2

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Question No: 10

What is the difference between a root node and a leaf node?

Options:

- A root node has no parent node, while a leaf node has no child nodes.
- A root node is always the first node in a tree, while a leaf node is always the last node in a tree.
- A root node is always a parent node, while a leaf node is never a parent node.
- A root node is always a child node, while a leaf node is never a child node.

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Question No: 11

What is the time complexity of searching for an element in a balanced binary search tree?

Options:

- O(1)
- O(log n)
- O(n)
- O(n^2)

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 12

What is the difference between a binary tree and a binary search tree?

Options:

- A binary tree can have any number of children per node, while a binary search tree can only have two children per node.
- A binary tree can have any value of data in its nodes, while a binary search tree must have data that is comparable and ordered
- A binary tree can be used to represent any kind of hierarchical data, while a binary search tree is specifically designed for searching for data.
- A binary tree is more efficient than a binary search tree for inserting and deleting elements.

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Question No: 14

What is the difference between a singly linked list and a doubly linked list?

Options:

- A singly linked list is more efficient for storing elements in a contiguous block of memory, while a doubly linked list is less efficient for storing elements in a contiguous block of memory.
- A singly linked list is more efficient for accessing elements by their index, while a doubly linked list is more efficient for traversing the list in reverse order.
- A singly linked list is more efficient for inserting and deleting elements, while a doubly linked list is more efficient for searching for elements.
- A singly linked list stores a pointer to the next element in the list, while a doubly linked list stores pointers to both the next and previous elements in the list.

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Question No: 15

What is a linked list?

Options:

- A collection of data elements stored in contiguous memory locations.
- A data structure that stores data in a hierarchical manner
- A linear collection of data elements, called nodes, where each node contains a value and a reference (or pointer) to the next node in the sequence.
- A data structure that stores data in a tree-like structure.

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Question No: 16

What is the disadvantage of a linked list over an array?

Options:

- Linked lists are more memory-intensive than arrays.
- Linked lists are more difficult to access elements randomly, while arrays are more efficient for random access.
- Linked lists are less efficient for inserting and deleting elements, while arrays are more efficient for these operations.
- Linked lists are more difficult to traverse than arrays.

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Question No: 17

What is the best data structure for storing a list of elements that need to be accessed by their index?

Options:

- Array
- Linked list
- Stack
- Queue

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Question No: 18

What is the time complexity of pushing an element onto a stack?

Options:

- O(1)
- O(log n)
- O(n)
- O(n^2)

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Question No: 19

What is the last-in, first-out (LIFO) property of a stack?

Options:

- The element that is inserted last into the stack is the first element that is removed from the stack.
- The element that is inserted first into the stack is the first element that is removed from the stack.
- The element that is inserted at the top of the stack is the first element that is removed from the stack.
- None of the above.

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Question No: 20

What is the purpose of an array's length property?

Options:

- To determine the total number of elements in the array.
- To access the first element in the array.
- To modify the size of the array.
- None of the above.

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Question No: 21

What is the difference between a one-dimensional array and a two-dimensional array?

Options:

- A one-dimensional array can store only one type of data, while a two-dimensional array can store multiple types of data.
- A one-dimensional array can only be accessed using an index, while a two-dimensional array can be accessed using two indices
- A one-dimensional array is a fixed-size array, while a two-dimensional array can be resized dynamically.
- None of the above.

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Question No: 22

What is the difference between a stack and a queue?

Options:

- A stack uses the LIFO (Last In, First Out) principle, while a queue uses the FIFO (First In, First Out) principle.
- A stack is more efficient for searching for elements, while a queue is more efficient for inserting and deleting elements.
- A stack is typically used in recursion, while a queue is typically used in buffering data.
- All of the above

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Question No: 23

What is the main application of a stack?

Options:

- Storing data in a sequential order
- Implementing recursion
- Managing memory allocation
- Performing undo operations

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Algorithm and Data Structure -1 Exam

Unattempted Attempted 00:26:42

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 24

What is the maximum number of nodes that can be present in a complete binary tree of height h?

Options:

- 2^h
- $2^{(h+1)}$
- $2^{(h-1)}$
- $2^h - 1$

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Unattempted Attempted 00:26:40

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Question No: 25

What is the time complexity of accessing an element in an array?

Options:

- O(1)
- O(log n)
- O(n)
- O(n^2)

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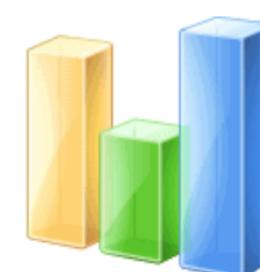
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Result

User Name	Mote Shubham Subhash
Module Name	Algorithm and Data Structure -1
Total Questions	25
Questions Attempted	25
Correct Answers	20
Marks Obtained	20
Percentage	80.0 %



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