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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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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=llOS-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/IynIouBZvY4?si=CXzQs3BsRkjKhZCw
9	Municipal Corporation system Project	https://youtu.be/cVMx9NVyI4I?si=qX0oQt-GT-LR_5jF
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=HURvAY2VnizIyJlh
15	Employee management system project	https://youtu.be/lD1iE3W_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=fiDvrhhrjb4KSlSm
18	Online Pizza Delivery system project	https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM
19	Online Crime Reporting system Project	https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO
20	Online Children Adoption Project	https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N

ADS TEST 1

Total points 26/40

TIME-60 minutes, 40 question

The respondent's email [redacted] was recorded on submission of this form.

✓ Which of the following is the correct way to declare a multidimensional array in Java? 1/1

- a) int[] arr;
- d) int[[]] arr;
- b) int arr[[]];
- (●) c) int[][]arr; ✓

✗ Elements in an array are accessed _____ 0/1

- a) randomly
- (●) b) sequentially ✗
- c) exponentially
- d) logarithmically

Correct answer

- (●) a) randomly

✓ A linear collection of data elements where the linear node is given by means of pointer is called? 1/1

- (●) a) Linked list ✓
- ( ) b) Node list
- ( ) c) Primitive list
- ( ) d) Unordered list

✓ A data structure in which elements can be inserted or deleted at/from both ends but not in the middle is? 1/1

- ( ) a) Queue
- ( ) b) Circular queue
- (●) c) Dequeue ✓
- ( ) d) Priority queue

✓ 1/1

```
public class array
{
        public static void main(String args[])
        {
                int []arr = {1,2,3,4,5};
                System.out.println(arr[5]);
        }
}
```

- a) 4
- b) 5
- c) ArrayIndexOutOfBoundsException ✓
- d) InavlidInputException

✗ How many children does a binary tree have?

- a) 2 ✗
- b) any number of children
- c) 0 or 1 or 2
- d) 0 or 1

Correct answer

- c) 0 or 1 or 2

CENTRE *

JUHU

✓ Which of the following traversing algorithm is not used to traverse in a tree? 1/1

- a) Post order
- b) Pre order
- c) Post order
- d) Randomized ✓

✗ What would be the asymptotic time complexity to add a node at the end of singly linked list, if the pointer is initially pointing to the head of the list? 0/1

- a) O(1)
- b) O(n) ✗
- c) θ(n)
- d) θ(1)

Correct answer

- c) θ(n)

✓ Entries in a stack are “ordered”. What is the meaning of this statement? 1/1

- a) A collection of stacks is sortable
- b) Stack entries may be compared with the ‘<‘ operation
- c) The entries are stored in a linked list
- d) There is a Sequential entry that is one by one ✓

✓ 1/1

What is the functionality of the following piece of code?

```
public int function()
{
        Node temp = tail.getPrev();
        tail.setPrev(temp.getPrev());
        temp.getPrev().setNext(tail);
        size--;
        return temp.getItem();
}
```

- a) Return the element at the tail of the list but do not remove it
- b) Return the element at the tail of the list and remove it from the list ✓
- c) Return the last but one element from the list but do not remove it
- d) Return the last but one element at the tail of the list and remove it from the list

✗ Which of the following sorting algorithms can be used to sort a random linked list with minimum time complexity? 0/1

- a) Insertion Sort
- b) Quick Sort ✗
- c) Heap Sort
- d) Merge Sort

Correct answer

- d) Merge Sort

✗ Disadvantages of linked list representation of binary trees over arrays? 0/1

- a) Randomly accessing is not possible
- b) Extra memory for a pointer is needed with every element in the list ✗
- c) Difficulty in deletion
- d) Random access is not possible and extra memory with every element

Correct answer

- d) Random access is not possible and extra memory with every element

✓ In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is? 1/1

- a) log 2 n
- b) n/2
- c) log 2 n – 1
- (•) d) n ✓

✓ Circular Queue is also known as _____ 1/1

- (•) a) Ring Buffer ✓
- b) Square Buffer
- c) Rectangle Buffer
- d) Curve Buffer

✗ Can a tree stored in an array using either one of inorder or post order or pre order traversals be again reformed? 0/1

- a) Yes just traverse through the array and form the tree
- b) No we need one more traversal to form a tree
- (•) c) No in case of sparse trees ✗
- d) Yes by using both inorder and array elements

Correct answer

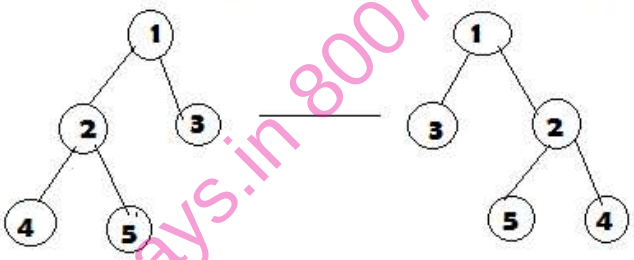
- (•) b) No we need one more traversal to form a tree

✓ Level order traversal of a tree is formed with the help of 1/1

- (●) a) breadth first search ✓
- ( ) b) depth first search
- ( ) c) dijkstra's algorithm
- ( ) d) prims algorithm

✓ 1/1

9. What must be the missing logic below so as to print mirror of a tree as below as an example?




```
if(rootnode):
  mirror(rootnode-->left)
  mirror(rootnode-->right)

  //missing

end
```


- (●) a) swapping of left and right nodes is missing ✓
- ( ) b) swapping of left with root nodes is missing
- ( ) c) swapping of right with root nodes is missing
- ( ) d) nothing is missing

EMAIL *

shreyasbhatkar22@gmail.com

✗ What is the time complexity of pre-order traversal in the iterative fashion? 0/1

- a) O(1)
- b) O(n)
- c) O(logn)
- d) O(nlogn) ✗

Correct answer

- b) O(n)

✗ The optimal data structure used to solve Tower of Hanoi is _____ 0/1

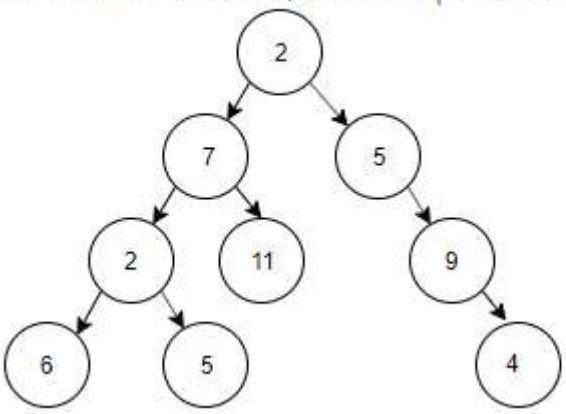
- a) Tree
- b) Heap ✗
- c) Priority queue
- d) Stack

Correct answer

- d) Stack

✓ 1/1

1. For the tree below, write the pre-order traversal.



- (●) a) 2, 7, 2, 6, 5, 11, 5, 9, 4 ✓
- ( ) b) 2, 7, 5, 2, 6, 9, 5, 11, 4
- ( ) c) 2, 5, 11, 6, 7, 4, 9, 5, 2
- ( ) d) 2, 7, 5, 6, 11, 2, 5, 4, 9

✗ How do you calculate the pointer difference in a memory efficient double linked list? 0/1

- ( ) a) head xor tail
- ( ) b) pointer to previous node xor pointer to next node
- (●) c) pointer to previous node – pointer to next node ✗
- ( ) d) pointer to next node – pointer to previous node

Correct answer

- (●) b) pointer to previous node xor pointer to next node

✓ In general, the index of the first element in an array is _____ 1/1

- (●) a) 0 ✓
- ( ) b) -1
- ( ) c) 2
- ( ) d) 1

✗ . What would be the asymptotic time complexity to find an element in the linked list? 0/1

- (●) a) O(1) ✗
- ( ) b) O(n)
- ( ) c) O(n2)
- ( ) d) O(n4)

Correct answer

- (●) b) O(n)

✓ In linked list each node contains a minimum of two fields. One field is data field to store the data second field is? 1/1

- ( ) a) Pointer to character
- ( ) b) Pointer to integer
- (●) c) Pointer to node ✓
- ( ) d) Node

✓ The prefix form of A-B/ (C * D ^ E) is? 1/1

- a) -/*^ACBDE
- b) -ABCD*^DE
- (✓) c) -A/B*C^DE
- d) -A/BC*^DE

✓ The postfix form of the expression (A+ B)*(C*D- E)*F / G is? 1/1

- a) AB+ CD*E – FG /**
- b) AB + CD* E – F **G /
- (✓) c) AB + CD* E – *F *G /
- d) AB + CDE * – * F *G /

✓ A normal queue, if implemented using an array of size MAX_SIZE, gets full when? 1/1

- (✓) a) Rear = MAX_SIZE – 1
- b) Front = (rear + 1)mod MAX_SIZE
- c) Front = rear + 1
- d) Rear = front

✗ What data structure would you mostly likely see in non recursive implementation of a recursive algorithm? 0/1

- ○ a) Linked List
- ○ b) Stack
- ○ c) Queue
- ◉ d) Tree ✗

Correct answer

- ◉ b) Stack

✓ 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? 1/1

- ○ 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

✗ The data structure required for Breadth First Traversal on a graph is? 0/1

- ○ a) Stack
- ○ b) Array
- ○ c) Queue
- ◉ d) Tree ✗

Correct answer

- ◉ c) Queue

✗ Linked lists are not suitable for the implementation of _____ 0/1

- ◉ a) Insertion sort ✗
- ○ b) Radix sort
- ○ c) Polynomial manipulation
- ○ d) Binary search

Correct answer

- ◉ d) Binary search

✓ What is/are the disadvantages of implementing tree using normal arrays? 1/1

- ○ a) difficulty in knowing children nodes of a node
- ○ b) difficult in finding the parent of a node
- ◉ c) have to know the maximum number of nodes possible before creation of trees ✓
- ○ d) difficult to implement

✓ What is the time complexity of the following code? 1/1

```
public boolean isBalanced(String exp)
{
        int len = exp.length();
        Stack<Integer> stk = new Stack<Integer>();
        for(int i = 0; i < len; i++)
        {
                char ch = exp.charAt(i);
                if (ch == '(')
                stk.push(i);
                else if (ch == ')')
                {
                        if(stk.peek() == null)
                        {
                                return false;
                        }
                        stk.pop();
                }
        }
        return true;
}
```

- a) O(logn)
- b) O(n) ✓
- c) O(1)
- d) O(nlogn)

✗ To obtain a prefix expression, which of the tree traversals is used? 0/1

- ○ a) Level-order traversal
- ○ b) Pre-order traversal
- ◉ c) Post-order traversal ✗
- ○ d) In-order traversal

Correct answer

- ◉ b) Pre-order traversal

✓ Which of the following code is used to create new node? 1/1

```
struct node
{
    int data;
    struct node * next;
}
typedef struct node NODE;
NODE *ptr;
```

- ◉ a) ptr = (NODE*)malloc(sizeof(NODE)); ✓
- ○ b) ptr = (NODE*)malloc(NODE);
- ○ c) ptr = (NODE*)malloc(sizeof(NODE*));
- ○ d) ptr = (NODE)malloc(sizeof(NODE));

✓ The prefix form of an infix expression (p + q) − (r * t) is? 1/1

- a) + pq − *rt
- b) − +pqr * t
- c) − +pq * rt ✓
- d) − + * pqrt

✓ What is the value of the postfix expression 6 3 2 4 + − *? 1/1

- a) 1
- b) 40
- c) 74
- d) -18 ✓

✗ Which of the following is not the application of stack? 0/1

- a) A parentheses balancing program
- b) Tracking of local variables at run time ✗
- c) Compiler Syntax Analyzer
- d) Data Transfer between two asynchronous process

Correct answer

- d) Data Transfer between two asynchronous process

✓ In a stack, if a user tries to remove an element from an empty stack it is called _____ 1/1

- (●) a) Underflow ✓
- ( ) b) Empty collection
- ( ) c) Overflow
- ( ) d) Garbage Collection

✓ Which among the following is not a palindrome? 1/1

- ( ) a) Madam
- ( ) b) Dad
- ( ) c) Malayalam
- (●) d) Maadam ✓

NAME *

Shreyas Bhatkar

✓ If the elements “A”, “B”, “C” and “D” are placed in a queue and are deleted one at a time, in what order will they be removed? 1/1

- (●) a) ABCD ✓
- ( ) b) DCBA
- ( ) c) DCAB
- ( ) d) ABDC

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+91 8007592194 +91 9284926333

codewitharrays@gmail.com

https://codewitharrays.in/project