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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=ILOS-QG3TpAFP5k7
5	Ecommerce Shopping project	https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq
6	Bike Rental System Project	https://youtu.be/FlzsAmIBCbk?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_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=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=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 (**shreyasbhatkar22@gmail.com**) 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) $\theta(n)$
- ☐ d) $\theta(1)$



Correct answer

- ☒ c) $\theta(n)$

✓ 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

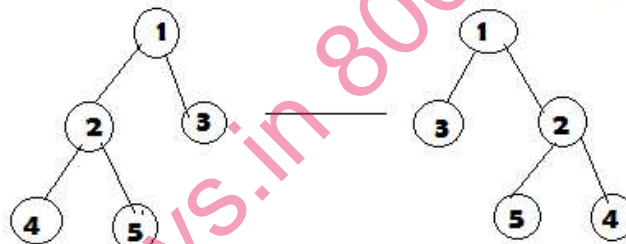
1/1

- ☒ 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) $O(\log n)$
- ☒ d) $O(n \log n)$

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

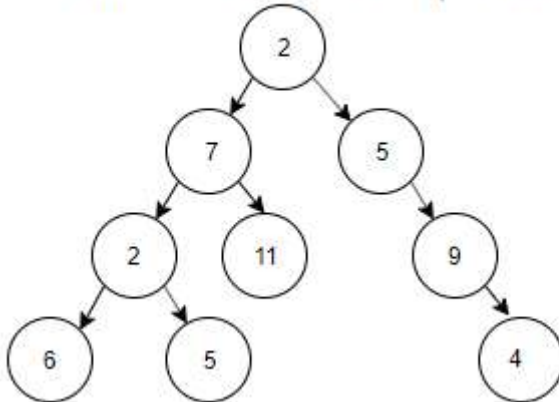
Correct answer

- ☒ 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) $O(n^2)$
- ☐ d) $O(n^4)$



Correct answer

- ☒ b) $O(n)$

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

- ☐ 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) $- / ^* A C B D E$
- ☐ b) $- A B C D ^* ^* D E$
- ☒ c) $- A / B ^* C ^ D E$
- ☐ d) $- A / B C ^* ^* D E$

✓

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

1/1

- ☐ a) $A B + C D ^* E - F G / ^* ^*$
- ☐ b) $A B + C D ^* E - F ^* ^* G /$
- ☒ c) $A B + C D ^* E - ^* F ^* G /$
- ☐ d) $A B + C D E ^* - ^* F ^* G /$

✓

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

- ☒ a) $Rear = MAX_SIZE - 1$
- ☐ b) $Front = (rear + 1) \bmod MAX_SIZE$
- ☐ 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

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✓ 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) $O(\log n)$
- ☒ b) $O(n)$
- ☐ c) $O(1)$
- ☐ d) $O(n \log n)$



✗ 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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