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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
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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
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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=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

✓ What is the functionality of the following piece of code? * 1/1

```
public int function(int data) {
Node temp = head;
int var = 0;
while(temp != null)    {
if(temp.getData() == data)       {
return var;
}
var = var+1;
temp = temp.getNext();
}
return Integer.MIN_VALUE;
}
```

- ○ Find and delete a given element in the list
- ○ Find and return the given element in the list
- ◉ Find and return the position of the given element in the list ✓
- ○ Find and insert a new element in the list

✓ The concatenation of two list can performed in O(1) time. Which of the following variation of linked list can be used? *1/1

- ○ Singly linked list
- ○ Doubly linked list
- ◉ Circular doubly linked list ✓
- ○ Array implementation of list

✓ What is the functionality of the following piece of code? * 1/1

```
public void function(Node node)
{
  if(size == 0)
     head = node;
  else
  {
     Node temp,cur;
     for(cur = head; (temp = cur.getNext())!=null; cur = temp);
     cur.setNext(node);
  }
  size++;
}
```

- ○ Inserting a node at the beginning of the list
- ○ Deleting a node at the beginning of the list
- ◉ Inserting a node at the end of the list ✓
- ○ Deleting a node at the end of the list

✓ What is the functionality of the following piece of code? Select the most appropriate. *1/1

```
public void function(int data) {
  int flag = 0;
  if( head != null)
  {
Node temp = head.getNext();
    while((temp != head) && (!(temp.getItem() == data)))      {
      temp = temp.getNext();
      flag = 1;
      break;
    }
  }
  if(flag)
    System.out.println("success");
  else
    System.out.println("fail"); }
```

- ○ Print success if a particular element is not found
- ◉ Print fail if a particular element is not found ✓
- ○ Print success if a particular element is equal to 1
- ○ Print fail if the list is empty

What is the functionality of the following code? Choose the most appropriate answer. *1/1

```
public int function()
{
  if(head == null)
     return Integer.MIN_VALUE;
  int var;
  Node temp = head;
  while(temp.getNext() != head)
     temp = temp.getNext();
  if(temp == head)
  {
     var = head.getItem();
     head = null;
     return var;
  }
  temp.setNext(head.getNext());
  var = head.getItem();
  head = head.getNext();
  return var;
}
```

- Return data from the end of the list
- Returns the data and deletes the node at the end of the list
- Returns the data from the beginning of the list
- Returns the data and deletes the node from the beginning of the list ✓

✓ Consider the following doubly linked list: head-1-2-3-4-5-tail. What will be the list after performing the given sequence of operations? *1/1

```
Node temp = new Node(6,head,head.getNext());
Node temp1 = new Node(0,tail.getPrev(),tail);    head.setNext(temp);
temp.getNext().setPrev(temp);
tail.setPrev(temp1);
temp1.getPrev().setNext(temp1);
```

- ○ head-0-1-2-3-4-5-6-tail
- ○ head-1-2-3-4-5-6-tail
- ◉ head-6-1-2-3-4-5-0-tail ✓
- ○ head-0-1-2-3-4-5-tail

✓ If the size of the array used to implement a circular queue is MAX_SIZE. How rear moves to traverse inorder to insert an element in the queue? *1/1

- ○ rear=(rear%1)+MAX_SIZE
- ◉ rear=(rear+1)%MAX_SIZE ✓
- ○ rear=rear+(1%MAX_SIZE)
- ○ rear=rear%(MAX_SIZE+1)

✓ What is the functionality of the following piece of code? * 1/1

```
public void function(Object item)
{
  Node temp=new Node(item,trail);
  if(isEmpty())
  {
     head.setNext(temp);
     temp.setNext(trail);
  }
  else
  {
     Node cur=head.getNext();      while(cur.getNext()!=trail)
     {
        cur=cur.getNext();
     }
     cur.setNext(temp);
  }
  size++;
}
```

- ○ Insert at the front end of the dequeue
- ◉ Insert at the rear end of the dequeue ✓
- ○ Fetch the element at the rear end of the dequeue
- ○ Fetch the element at the front end of the dequeue

✓ Consider a binary tree with n nodes, where each node can have at most two children. The height of the tree is defined as the maximum number of edges between the root node and any leaf node. Which of the following statements is true regarding the height h of this binary tree? *1/1

- ○ The height of the tree is always equal to n-1.
- ◉ The height of the tree can be greater than or equal to n-1. ✓
- ○ The height of the tree is always equal to $\log_2(n)$.
- ○ The height of the tree can be greater than or equal to $\log_2(n)$.

✓ Consider the following operation performed on a stack of size 5. *1/1

```
Push(1);
Pop();
Push(2);
Push(3);
Pop();
Push(4);
Pop();
Pop();
Push(5);
```

After the completion of all operation, the number of elements present in stack is?

- ◉ 1 ✓
- ○ 2
- ○ 3
- ○ 4

✓ What is the result of the following code? * 1/1

```
String s1 = "Java"; String s2 = "Java";
StringBuilder sb1 = new StringBuilder();
sb1.append("Ja").append("va");
System.out.println(s1 == s2);
System.out.println(s1.equals(s2));
System.out.println(sb1.toString() == s1);
System.out.println(sb1.toString().equals(s1));
```

- ○ true is printed out exactly once.
- ○ true is printed out exactly twice.
- ◉ true is printed out exactly three times. ✓
- ○ true is printed out exactly four times.

✓ What is the functionality of the following piece of code? * 1/1

```
public class Test
{
 public static void main(String[] args) {
 String str = null;
 switch (str) { // #1
case "null":
System.out.println("null string"); // #2
 break;
}
}
}
```

- ○ This program results in a compiler error in statement #1.
- ○ This program results in a compiler error in statement #2.
- ◉ This program results in throwing a NullPointerException. ✓
- ○ This program prints the following: null string.

✓ Here is an infix expression: 4 + 3*(6*3-12). Suppose that we are using the usual stack algorithm to convert the expression from infix to postfix notation. The maximum number of symbols that will appear on the stack AT ONE TIME during the conversion of this expression? *1/1

- ○ 1
- ○ 2
- ○ 3
- ◉ 4 ✓

✓ In worst case, the number of comparison need to search a singly linked list of length n for a given element is *1/1

- ○ log n
- ○ n/2
- ○ log2n-1
- ◉ n ✓

✓ The minimum number of fields with each node of doubly linked list is * 1/1

- ○ 1
- ○ 2
- ◉ 3 ✓
- ○ 4

✓ *1/1

```
public class Test
{
 public static void main(String[] args) {
 String str = null;
 System.out.println(str.valueOf(10));
}
}
```

Which of the following statements correctly describes the behavior of this program?

- ○ This program will result in a compiler error.
- ○ This program will throw a NullPointerException.
- ◉ This program will print 10 in the console. ✓
- ○ This program will print null in the console.

✓ What are the main applications of tree data structure? * 1/1

Manipulate hierarchical data
Make information easy to search
Manipulate sorted lists of data
Router algorithms
Form of a multi-stage decision-making, like Chess Game.
As a workflow for compositing digital images for visual effects

- ○ 1, 2, 3, 4 and 6
- ○ 1, 2, 3, 4 and 5
- ○ 1, 3, 4, 5 and 6
- ◉ 1, 2, 3, 4, 5 and 6 ✓

✓ Consider a single linked list where F and L are pointers to the first and last elements respectively of the linked list. The time for performing which of the given operations depends on the length of the linked list? *1/1

F->1->2->3->L

- ○ Delete the first element of the list
- ○ Interchange the first two elements of the list
- ◉ Delete the last element of the list ✓
- ○ Add an element at the end of the list

✓ The following three are known to be the preorder, inorder and postorder sequences of a binary tree. But it is not known which is which. *1/1

MBCAFHPYK
KAMCBYPFH
MABCKYFPH
Pick the true statement from the following.

- ○ I and II are preorder and inorder sequences, respectively
- ○ I and III are preorder and postorder sequences, respectively
- ○ II is the inorder sequence, but nothing more can be said about the other two sequences
- ◉ II and III are the preorder and inorder sequences, respectively ✓

✓ A circularly linked list is used to represent a Queue. A single variable p is used to access the Queue. To which node should p point such that both the operations enQueue and deQueue can be performed in constant time? *1/1

- (●) rear node ✓
- ( ) front node
- ( ) not possible with a single pointer
- ( ) node next to front

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