Round 1-Written test

1. Reverse SinglylinkedList.

2. Find common elements from 3 sorted arrays.

{3,6,9,15}. Output=12

3. Find missing element from growing array.

{1,4,20,60,80} , {3,20,40,55,80,100}, {20,50,60,80,120}

Output={20,80}

Round 2

1. Difference between C and C++

2. Why C++. and its features.

3. What is Inheritance and types of Inheritance in C++ diagramatically.

4. Difference between multiple and multilevel Inheritance.

5. A scenario based on diamond problem.

6. Give the logic to print the node values of a complete binary tree in zig-zag fasion.

Round 3

1. Questions based on Queue and circular queue.

2. When to use queue and when stack.

3. Some scenarios based on searching and sorting algorithms.

4. What is normalization. A student table with name,school.university and region was given to normalize.

5. write a query to find the least no. of participants from a paricular school for a tournament.