**MY INTERVIEW EXPERIENCE:**

**ROUND 1: Online Technical Round**

6 MCQ questions:

time complexity

SQL: INSTR()

4 Coding questions: AGES, LADDER, Encode-Decode Word, BALANCED PARANTHESIS

ROUND 2: Telephonic Interview:

1. Tell me about yourself?
2. Given a sorted array how can u find an element: Binary Search, its Time Complexity?
3. How many types of sorting do you know, which one is your favorite and why?

Which sorting technique is best and why?

1. You r given a binary tree, find the max path from root to leaf: (using Level order Traversal).
2. Hash map, Hash table, Hash set
3. What is Tries, BST, B tree, B+ tree Data Structure.
4. SQL query: select nth row from given dataset.

ROUND 3: F2F Technical Interview-1:

1. What is Caching, Different Caching Techniques

How to retrieve data from disk: disk scheduling Algorithm.

1. Implement LRU caching (using doubly Linked List, map)
2. Clone a binary tree
3. Longest Palindromic Substring
4. Reverse the Linked List
5. Decoding like excel sheet: AA->27, Y->25.

ROUND 4: F2F TECHNICAL INTERVIEW-2:

1. SUDUKO
2. JOSEPH PROBLEM……
3. DFS
4. Find Minimum moves required to reach a HORSE in a chess from start to end point.

(Backtracking)

1. Find Middle element of Linked List in one traversal.
2. Find Height and Width of a Tree.
3. Implement LIKE function of SQL: code for pattern matching

Ex: LIKE %ab%

Given words: abcd, bcdabgh, fghty

Matched words: abcd, bcdabgh

(Implement it using Tries)

1. What is THREAD, how to implement Thread in JAVA, explain with real life example, how it works?
2. Context Switch
3. How many Processes can run in parallel? (depends on CORE of processor)
4. OOPS Concept: INHERITANCE, POLYMORPHISM, ABSTRACTION, ENCAPSULATION
5. Is Overloading a concept of Polymorphism, how it works what is its use case, operator overloading.
6. Write a SQL query to select 5 highest salary from employee table.

(Using LIMIT, SELFJOIN, TOP)

1. How Hashmap is implemented internally. Its Complexity

(Before JAVA 8, it is implemented using LinkedList in case of collision but from JAVA 8 it is implemented using RB Tree)

How frequently collision can occur (depends on the hashcode() function and size)

1. What happens on creating object of same name:

Ex: Class A

{

}

Class B extends A

{

}

Class C

{

A obj = new A(“hey1”);

A obj = new A(“hey2”);

B obj = new B(“hey3”);

B obj = new A(“hey4”);

}

What happens on running this code? Is it give some error or not?



You have a code like:

Interface A  
{

}

Class B implements A

{

}

Which statement is valid?

1. A obj1 = new B();
2. B obj1 = new B();
3. Draw a Class Diagram for AMAZON e-commerce Website.

Scenario like: User search for the Products and Order some Products.

Give relation b/w them: link them with PRIMARY KEY, FOREIGN KEY.

And query related to my designed Class Diagram to fetch some data from two linked tables.

ROUND 5: MANAGERIAL ROUND

1. TELL ME ABOUT YOURSELF.
2. TELL ME ABOUT UR PROJECTS
3. ABOUT UR INTERNSHIPS
4. ANY QUESTION FOR ME

ROUND 6: HR ROUND

1. TELL ME ABOUT URSELF.
2. ABOUR UR FAMILY
3. RAPID FIRE ROUND like: THINKER-FOLLOWER, SENSER-JUDGER….
4. WHICH THING YOU HATE THE MOST.

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