

INTERVIEW EXPERIENCE

TO THE NEW-(DATA ENGINEER)

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FIRST-ROUND (Online Assessment)

- This test was of 60-minutes duration containing 60 questions.
- The question set covered Output Based(C++ Language), quantitative aptitude, reasoning, SQL.

25 Students cleared the First Round.

SECOND-ROUND (Technical)

- This round was of 75-minutes duration.
- The Interviewer first asked me to Introduce myself and give him a brief about the projects that I've worked upon.
- Then he asked me 2 Coding Questions
 1. Two strings, S1 and S2, one containing a digits and the other one containing alphabets, need to be stored in a single array.
 2. Given a number (e.g., 12345), the digits should be stored distinctly in an array.

NOTE:-Interviewer also asked me to run both of the codes on an online IDE. The questions were easy, so it wasn't a problem. However, it's essential to write code neatly to avoid situations like the one I encountered.

- After Coding Questions, the Interviewer asked me a few Questions from Core Subjects.
 1. What are the 4 Pillars of OOPs.
 2. Difference between new and malloc.
 3. Difference between SQL and NO-SQL.
 4. Difference between JOIN and SET-Operations.
- Last two Questions where SQL Queries.
 1. Write an SQL query to print the FIRST_NAME from Worker table after replacing 'a' with 'A'.
 2. Write an SQL query to print the FIRST_NAME and LAST_NAME from Worker table into a single column COMPLETE_NAME.

Out of 25 Students, 15 Students were Selected for the Third Round.

THIRD-ROUND (Technical)

- This round was of 70-minutes duration.
- The Interviewer first asked me to Introduce myself and give him a brief about the projects that I've worked upon.
- Then he asked me 2 Coding Questions.
 1. Print the Occurrence of all the distinct characters in a String.
 2. Find the Second Largest Element in an Array.
- After Coding Questions, the Interviewer asked me a few Questions DBMS and 3 Puzzles.
 1. What is Indexing in DBMS.
 2. Explain all types of Joins. Difference between JOIN and SET-Operations.
 3. What if I Delete a row containing a foreign key to another table.
 4. What are Sql Triggers.

PUZZLES

1. You have 5 jars of pills. Each pill weighs 10 grams, except for contaminated pills contained in one jar, where each pill weighs 9 grams. Given a scale, how could you tell which jar had the contaminated pills in just one measurement?
 2. A blind man is alone on a deserted island. He has two blue pills and two red pills. He must take exactly one red pill and one blue pill or he will die. How does he do it?
 3. We have two water jugs, one measures 4 Gallons (4G) while the other measure 9 Gallons (9G).How can we measure 6G using these unmarked jugs.
- Last three Questions where SQL Queries.
 1. Write an SQL query to print details of the Workers who have joined in MARCH 2021.
 2. Write an SQL query to determine the 2nd highest salary.
 3. Write an SQL query to list worker_id who does not get bonus.(using sub-query).

Out of 15 Students, 5 Students were Selected for the Third Round.

HR ROUND

- The HR first asked me to Introduce myself and give him a brief about the projects that I've worked upon.
- Then He asked me about my Family background, How can you see yourself growing in the industry? ,hobbies, Strengths and Weaknesses, your Motivation.