**Fossil Group Data Engineer Interview Guide – Experienced 1.5+**

**Interview Structure**

**Round 1: Technical Interview**

**Questions**

1. Introduce Yourself

2. SQL Joins Scenario

Two tables:

Table 1: 8 records

Table 2: 2 records

Common column: id

Questions: How many records would result with the following joins?

Inner Join

Left Join

Right Join

Full Outer Join

3. Row\_Number, Rank, and Dense\_Rank

Differences between these window functions.

4. SQL Query to Update Gender Column

Write a query to switch values in the Gender column (M to F and F to M).

5. Case Statements in Update Queries

Can CASE statements be used in an UPDATE query?

6. SQL Clause Execution Sequence

Explain the order in which SQL clauses are executed.

7. Internal vs. External Tables in Hive

Differences and use cases of both table types.

8. Defining Airflow

Overview of Airflow as a workflow orchestration tool.

9. Airflow Operators

Definition and examples (e.g., PythonOperator, BashOperator).

10. Finding Duplicates in a Table

Identify duplicates based on one or two columns.

11. Query for Latest Record

Select the latest record based on a time\_of\_insertion column.

12. Query to Delete Duplicate Records

Write a query to retain only the latest record and delete others in case of duplicates.

13. CTE (Common Table Expression) Definition and uses.

14. HAVING Clause in SQL

Why is it used only after GROUP BY?

15. Copying Table Structure

How to create a new table with the same structure as an existing one?

16. Project Challenges

Share a challenging situation faced in projects.

17. Personal Preferences and Aspirations

Discuss goals, teamwork preferences, and how you handle mistakes.

**Questions**

1. Introduction and Family Background

2. Reason for Job Change

Why are you leaving your current job so early?

3. Job Description and Interest

Did you review the job description? Why are you interested in this role?

4. Five-Year Plan

Where do you see yourself in five years?

5. Work-Life Balance

Define work-life balance and your preferences (e.g., remote, office, hybrid).

6. Onsite Opportunities

Would you accept an onsite opportunity in a foreign country?

7. Company Loyalty

What if another company offers a better salary—would you stay or leave?