**Categories of Questions You Can Expect**

**1. Snowflake Architecture & Features**

* Explain Snowflake’s architecture. How does it differ from traditional data warehouses?
* What are virtual warehouses in Snowflake? How do they impact performance?
* How does Snowflake handle structured vs semi-structured data?
* What is Time Travel and how would you use it in a migration scenario?
* What’s the difference between transient, temporary, and permanent tables?

**2. ETL & Data Migration**

* How would you migrate data from Oracle to Snowflake? What challenges might arise?
* Describe an ETL pipeline you’ve built using Snowflake tasks and streams.
* How do you ensure data consistency and integrity during migration?
* What tools or frameworks have you used for ETL orchestration (e.g., Airflow, dbt, Informatica)?

**3. SQL & Oracle Expertise**

* Write a SQL query to identify duplicate records in a large dataset.
* How would you optimize a slow-running query in Oracle vs Snowflake?
* What are common performance tuning techniques in Oracle that don’t apply in Snowflake?

**4. Snowpark & Advanced Features**

* What is Snowpark and how does it differ from traditional SQL-based development?
* Can you walk through a use case where Snowpark improved performance or maintainability?
* How do Snowflake tasks and streams work together in a real-time data pipeline?

**5. Scenario-Based & Design Questions**

* Design a scalable data architecture for a retail company migrating from Oracle to Snowflake.
* How would you handle schema evolution in a Snowflake-based ETL pipeline?
* What’s your approach to cost optimization in Snowflake?

**6. Behavioral & Leadership**

* How do you mentor junior data engineers on Snowflake best practices?
* Describe a time when a migration project didn’t go as planned. What did you learn?