1. **Introduction to SQL, Data Lake, and Data Warehouse**
   * Briefly explain what SQL, Data Lake, and Data Warehouse are.
   * Discuss the importance of these concepts in the field of data science and data management.
2. **SQL Fundamentals**
   * Discuss the basic SQL commands: SELECT, INSERT, UPDATE, DELETE.
   * Demonstrate how to use these commands using a SQLite sample database.
   * Show how to filter and sort data using WHERE and ORDER BY clauses.
   * Discuss the concept of JOINs in SQL and demonstrate with examples.
3. **Understanding Data Lakes and Warehouses**
   * Explain the concept of a Data Lake and its uses.
   * Discuss the structure and purpose of a Data Warehouse.
   * Differentiate between Operational Data Stores and Data Warehouses.
4. **Understanding ETL**
   * Explain the ETL (Extract, Transform, Load) process.
   * Discuss its importance in data warehousing.
5. **OLTP vs OLAP**
   * Discuss the differences between OLTP (Online Transaction Processing) and OLAP (Online Analytical Processing).
   * Provide examples of use cases for both.
6. **Data Warehouse Architectures**
   * Discuss various Data Warehouse architectures like the Star Schema, Snowflake Schema, etc.