

DATA ANALYTICS ASSIGNMENT

DAY 24

1. Explain the concept of data warehousing in SQL analytics. Discuss the key characteristics and advantages of using a data warehouse for analytical purposes. Provide examples of scenarios where a data warehouse is beneficial.

2. Discuss the process of Extract, Transform, and Load (ETL) in the context of data warehousing. Provide step-by-step explanations of each phase and explain the significance of ETL in maintaining a robust data warehouse.

3. Explore the role of OLAP (Online Analytical Processing) in the context of data warehousing. Explain how OLAP tools facilitate analytical tasks, and provide examples of scenarios where OLAP is instrumental in extracting insights from a data warehouse.

3. What role does OLAP (Online Analytical Processing) play in data warehousing?

- a) OLAP is a type of database for transactional data.
- b) OLAP helps in the real-time execution of SQL queries.
- c) OLAP provides tools for multidimensional analysis and reporting.
- d) OLAP is not relevant in the context of data warehousing.

