Task 3: SQL for Data Analysis readme

Overview:

This task focuses on using SQL to extract, analyze, and summarize data from an Ecommerce SQL database (or any dataset of your choice). You will write queries to perform filtering, joining, aggregation, and view creation to understand real-world data.

Objective:

Use SQL queries to analyze structured data and generate meaningful insights.
Tools:

MySQL

Deliverables:

SQL file (.sql) containing all queries
Screenshots of the query outputs

Tasks Covered:

Use SELECT, WHERE, ORDER BY, GROUP BY

Perform JOINS (INNER, LEFT, RIGHT)

Write subqueries

Use aggregate functions: SUM, AVG, COUNT, MAX, MIN

Create views for reusable analysis

Apply indexes for query optimization

Dataset:

Use the Ecommerce_SQL Database or any relevant dataset with tables like products, customers, orders, items, etc.

☑ Outcome

Work with relational data

Perform powerful analysis using SQL

Apply advanced querying techniques

Organize results for reporting and insights