Sales Trend Analysis Using Aggregations

Objective: Analyze monthly revenue and order volume.

Tools: MySQL (Apache Server)

Deliverables: SQL script + results table

Create Database and Table CREATE DATABASE retail data;

```
USE retail_data;

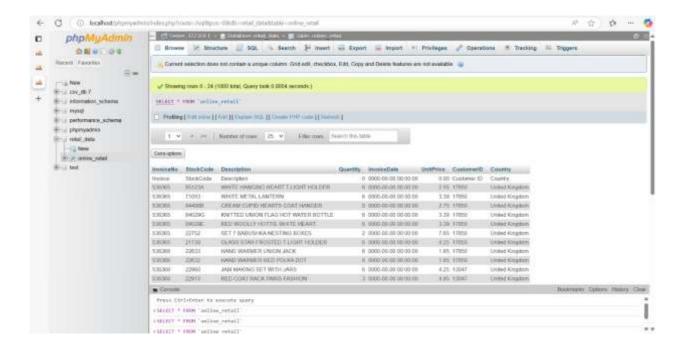
CREATE TABLE online_retail (
    InvoiceNo VARCHAR(20),
    StockCode VARCHAR(20),
    Description TEXT,
    Quantity INT,
    InvoiceDate DATETIME,
    UnitPrice DECIMAL(10, 2),
    CustomerID VARCHAR(20),
    Country VARCHAR(100)
```

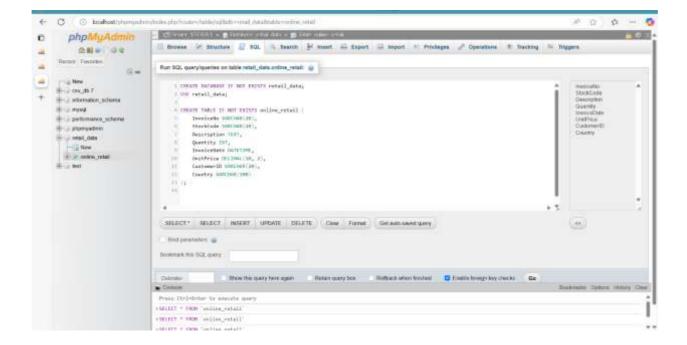
Load Dataset in dababase

);

LOAD DATA INFILE 'C:/RetailData/OnlineRetail.csv' INTO TABLE online_retail FIELDS TERMINATED BY ',' ENCLOSED BY '''' LINES TERMINATED BY '\r\n' IGNORE 1 ROWS

(InvoiceNo, StockCode, Description, Quantity, InvoiceDate, UnitPrice, CustomerID, Country);





SQL Queries Based on Hints

- Extracts YEAR and MONTH from InvoiceDate
- Calculates:
- Total revenue = Quantity × UnitPrice
- Total orders = count of unique InvoiceNo
 - o Groups data monthly
 - Sorts by year and month
- Limits output to first 25 rows.

