DATA ANALYST INTERNSHIP – TASK 3

SQL Basics – Filtering, Sorting & Aggregations (Superstore Dataset)

Requirements

- MySQL Server 8.0+
- MySQL Workbench
- Superstore Dataset (CSV format)
- Windows / macOS / Linux system
- Basic SQL knowledge

Steps to Convert Superstore Dataset into MySQL

1. Create database superstore_db
2. Create superstore table with proper data types
3. Import Superstore CSV using MySQL Workbench Import Wizard
4. Verify data using SELECT and COUNT queries
5. Execute SQL queries for analysis and reporting

Output 1: Total Sales by Category

SQL Query: SELECT Category, SUM(Sales) FROM superstore GROUP BY Category;

Category	Total Sales ($)
Furniture	741,999.80
Office Supplies	719,047.03
Technology	836,154.03

Output 2: Average Profit by Category

SQL Query: SELECT Category, AVG(Profit) FROM superstore GROUP BY Category;

Category	Average Profit ($)
Furniture	8.70
Office Supplies	20.33
Technology	78.75

Output 3: Top 5 Customers by Total Spend

SQL Query: SELECT Customer_Name, SUM(Sales) FROM superstore GROUP BY Customer_Name ORDER BY SUM(Sales) DESC LIMIT 5;

Customer Name	Total Spend ($)
Sean Miller	25,043.05
Tamara Chand	19,052.22
Raymond Buch	18,991.86
William Brown	17,865.22
Emily Phan	16,432.19

Final Outcome

This task demonstrates practical SQL skills including importing real-world datasets, applying filters, aggregations, and generating business insights using MySQL.