README.md – SQL Task 3 (Superstore Dataset)

Dataset:

Superstore Dataset (CSV)

Total Records: 9,994

Columns: Ship Mode, Segment, Country, City, State, Postal Code, Region, Category, Sub-Category, Sales, Quantity, Discount, Profit

Tools Used:

MySQL / PostgreSQL

MySQL Workbench / DBeaver

CSV Import Wizard

Queries Written & Their Meaning:

1. Create Database & Table

Creates a database and table structure with correct data types to store the Superstore dataset.

2. Verify Record Count

Checks if the number of rows in SQL matches the CSV file.

Output: 9994 records

3. View Sample Data

Displays the first 10 rows to understand column values and data format.

4. Filter Technology Category

Shows only records where the product category is Technology.

5. Top 10 Sales (Sorting)

Finds the highest sales transactions by sorting sales in descending order.

6. Aggregation by Category

Calculates total sales, average profit, and total orders for each product category.

7. Aggregation by Category & Region

Creates a sales summary for each category in each region.

8. HAVING Clause (Sales > 100000)

Filters only those categories whose total sales exceed 100,000.

9. LIKE Pattern Search

Finds all records where the city name contains “York”.

10. Top 5 Customers by Total Spend

Identifies the top 5 cities with the highest total sales.

Deliverables:

queries_task3.sql – All SQL queries

sales_summary_new.csv – Exported summary results

README.md – Query explanations

Final Outcome:

Intern becomes confident with basic SQL querying