Project Title: Daily POS (Point of Sale) Sales Summary for Retail ERP

Project Scope:

This project simulates a **retail ERP environment** for large-format stores like **D-Mart, Big Bazaar**, and **DIY outlets**, focusing on the **Sales & Store Operations module**. It involves:

1. Database Design

- Creation of Stores, Products, and Sales tables.
- o Structuring data similar to ERP transaction logs.

2. Artificial Data Generation

- 2 days of transactions for 3 stores.
- Multiple products across Groceries, Electronics, Clothing, Household, and DIY Tools categories.
- o Randomized sales volume to mimic real-world variations.

3. SQL Query Development

- Aggregating transactional POS data to produce daily sales reports.
- Calculating:
 - Total sales value
 - Bill count (number of unique transactions)
 - · Average bill value per store per day

4. ERP Context

 This report would typically be used by Store Managers, Regional Managers, and Finance Teams in ERP systems to monitor performance and plan inventory replenishment.

Expected Result:

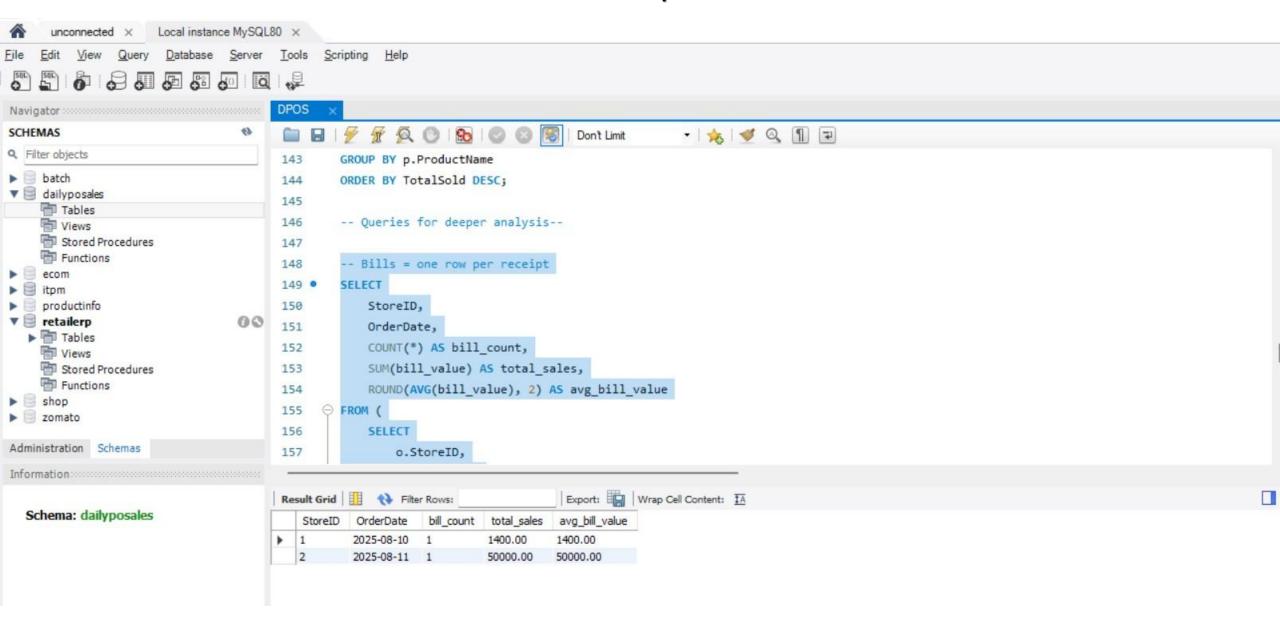
A Daily Sales Summary Table showing:

store_name	sale_date	bill_count	total_sales	avg_bill_value
Dmart Pune	2025-08-10	5	3,250.00	650.00
BigBazaar Mumbai	2025-08-10	4	2,720.00	680.00
DIY Hub Delhi	2025-08-10	6	4,500.00	750.00

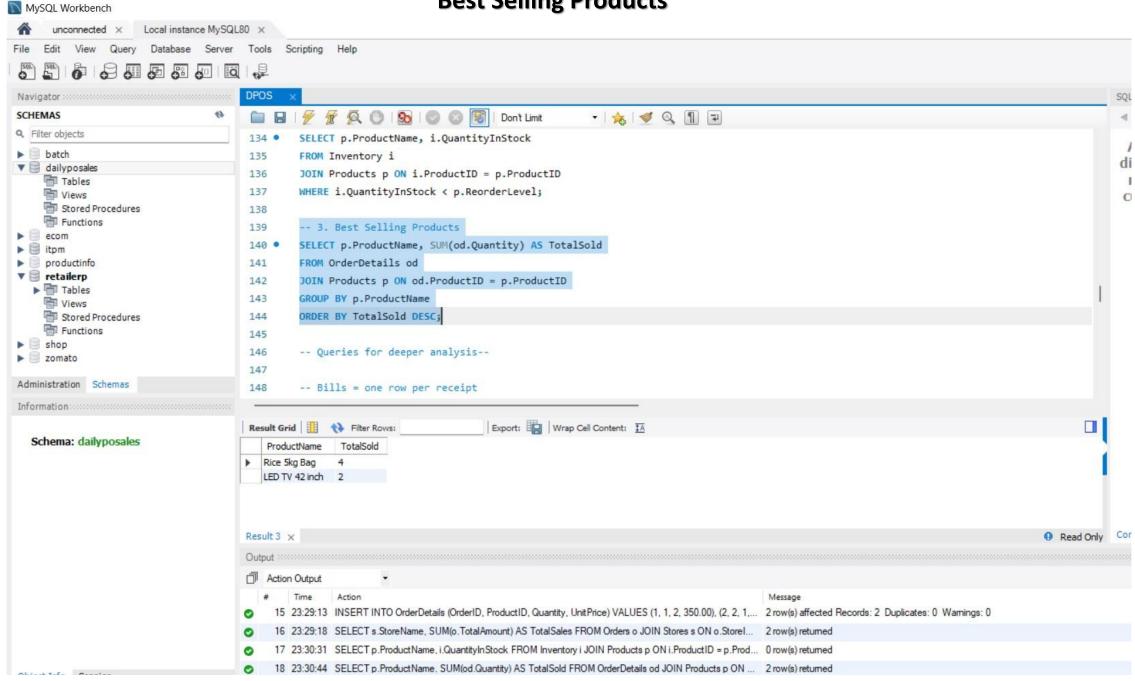
Insights Derived:

- Bill Count shows customer traffic trends.
- Total Sales helps assess store performance daily.
- Average Bill Value indicates buying behaviour, Where higher values suggest more premium purchases.

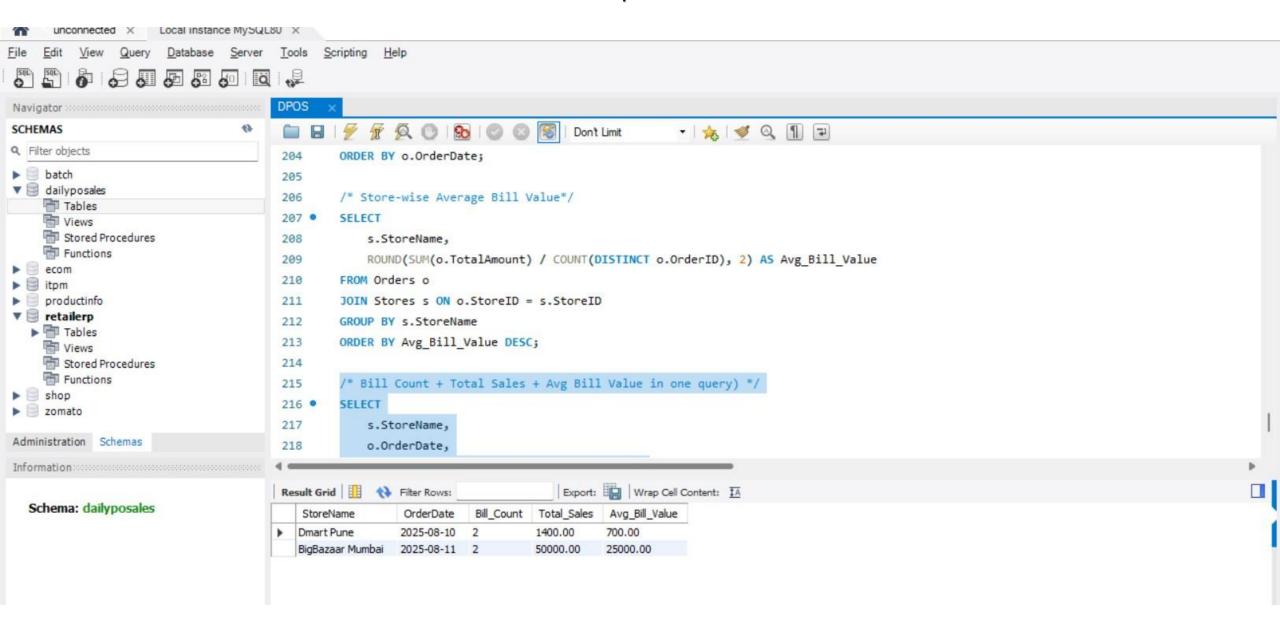
Bills with One row receipt



Best Selling Products



Date wise point of sale



Store wise bill

