**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.
   * 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.
   * 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.