

## ASSIGNMENT 1

### 1. Employee Directory Query:

Learn basic SELECT queries.

**Task:**

- Create a table named Employees with columns: ID, Name, Department, and Hire\_Date.
- Query all employees in the database.
- Retrieve only employee names and departments.

### 2. Filter Customer Data:

Practice filtering using WHERE clauses.

**Task:**

- Create a Customers table with columns: CustomerID, Name, City, and Age.
- Query customers older than 30.
- Retrieve customers from a specific city (e.g., "New York").

### 3. Sorting Product Data:

Use ORDER BY for sorting.

**Task:**

- Create a Products table with ProductID, Name, and Price.
- Retrieve all products, sorted by price in ascending order.
- Sort products by name alphabetically.

### 4. Aggregate Functions on Sales Data:

Use COUNT, SUM, AVG, MAX, MIN.

**Task:**

- Create a Sales table with columns: SaleID, ProductID, Amount.
- Find the total sales amount.
- Calculate the average sale amount.
- Make at least 2 more calculations using the functions.

**5. Using GROUP BY for Analysis:**

Learn to group data for summaries.

**Task:**

- Use the Sales table to group by ProductID.
- Find the total sales amount per product.
- Perform at least 2 more calculations with this feature.