ASSIGNMENT 2

1. **<u>Join Orders and Customers:</u>**

   Practice INNER JOIN

   Task:
   - o Create Orders and Customers tables.
   - o Join both tables to display customer names and their orders.
   - o Filter for orders above a certain amount.

2. **<u>Subquery for High Revenue Products:</u>**

   Use subqueries for conditional filtering.

   Task:
   - o Find products with a total sales amount higher than the average sales amount.
   - o Use a subquery to calculate the average.

3. **<u>Data Update Operations:</u>**

   Perform UPDATE queries.

   Task:
   - o Create a Users table with columns: UserID, Name, and Status.
   - o Update the Status of users who haven't logged in within a year to "Inactive".

4. **<u>Analyze Employee Attendance:</u>**

   Combine aggregate functions with GROUP BY.

   Task:

- o Create an Attendance table with columns: EmployeeID, Date, and Hours_Worked.
- o Calculate total hours worked per employee.
- o Find employees who worked more than 200 hours in a month.

5. **Multi-table Queries with Joins:**

Use multiple joins in a query.

Task:

- o Create tables for Orders, Products, and Suppliers.
- o Join them to find products supplied by a specific supplier with order details.

6. **Create a Data Mart with Views:**

Use SQL views for data aggregation.

Task:

- o Create a view that aggregates sales data by region.
- o Use the view to generate a report on top-performing regions.