**Day 10- Assignment 1:**

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**PProblem**: Craft a query using an INNER JOIN to combine 'orders' and 'customers' tables for customers in a specified region, and a LEFT JOIN to display all customers including those without orders.

**Solutiom**:

**Create customers Table**

CREATE TABLE customers (

customer\_id INT PRIMARY KEY,

customer\_name VARCHAR(100) NOT NULL,

region VARCHAR(50)

);

**Create orders Table**

CREATE TABLE orders (

order\_id INT PRIMARY KEY,

order\_date DATE,

customer\_id INT,

FOREIGN KEY (customer\_id) REFERENCES customers(customer\_id)

);

* **INNER JOIN Query**

This query combines the orders and customers tables to retrieve details of customers from a specified region who have placed orders.

SELECT customers.customer\_id, customers.customer\_name, orders.order\_id, orders.order\_date

FROM customers

INNER JOIN orders ON customers.customer\_id = orders.customer\_id

WHERE customers.region = 'specified\_region';

Replace 'specified\_region' with the actual region you are interested in.

* **LEFT JOIN Query**

This query displays all customers, including those who have not placed any orders.

SELECT customers.customer\_id, customers.customer\_name, orders.order\_id, orders.order\_date

FROM customers

LEFT JOIN orders ON customers.customer\_id = orders.customer\_id;