Day 10 – Assignment 1

➢ 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.

1. Using INNER JOIN to combine orders and customers for a specified region

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 = 'East';

- This part uses an INNER JOIN to combine orders and customers tables for customers in the 'East' region.

2. Using LEFT JOIN to display all customers including those without 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;

- This part uses a LEFT JOIN to display all customers including those who have not placed any orders.

3. Combining both conditions

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

WHERE

customers.region = 'East';

- This combined query will display all customers from the 'East' region, including those without orders.