DAY 9 :

ASSIGNMENT 2 :

Q) Assignment 2: 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.

ANSWER :

SETP 1 : Original Query:

- Start with the original query that combines the 'orders' and 'customers' tables.

sql

SELECT * FROM customers JOIN orders ON customers.customer_id = orders.customer_id;

STEP 2 : Specifying the Region:

- Add a WHERE clause to filter customers by a specified region. For example, if you want

customers from the region 'North America', you would specify customers.region = 'North America'.

sql

WHERE customers.region = 'North America'

STEP 3 : INNER JOIN for Specified Region:

- Use INNER JOIN to combine the 'orders' and 'customers' tables based on the specified region.

sql

SELECT * FROM customers INNER JOIN orders ON customers.customer_id = orders.customer_id WHERE customers.region = 'North America';

STEP 4 : LEFT JOIN to Include All Customers:

- Change the JOIN to LEFT JOIN to include all customers, even those without orders.

sql

SELECT * FROM customers LEFT JOIN orders ON customers.customer_id = orders.customer_id WHERE customers.region = 'North America';

By following these steps, you can craft a query that combines the 'orders' and 'customers' tables for customers in a specified region, including those without orders.

CODE :

sql

SELECT *

FROM customers

LEFT JOIN orders ON customers.customer_id = orders.customer_id

WHERE customers.region = 'North America';

OUTPUT :

'North America' region.