***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.*

***Query 1: INNER JOIN - Customers with Orders in a Specified Region***

*SELECT c.customer\_name, c.region, o.order\_id, o.order\_date*

*FROM customers c*

*INNER JOIN orders o*

*ON c.customer\_id = o.customer\_id*

*WHERE c.region = 'Specific\_Region';*

***Query 2: LEFT JOIN - All Customers, Including Those Without Orders***

*SELECT c.customer\_name, c.region, o.order\_id, o.order\_date*

*FROM customers c*

*LEFT JOIN orders o*

*ON c.customer\_id = o.customer\_id;*

***Explanation:***

***INNER JOIN*** *returns records with matching values in both tables.*

***LEFT JOIN*** *returns all records from the left table (customers) and matching records from the right table (orders). If no match, result will contain NULL values.*

***Example Use Case:***

*Suppose we have the following tables:*

***Customers Table:***

***customer\_id customer\_name region***

*1 Naveen North*

*2 Ajay South*

*3 Surya North*

***Orders Table:***

***order\_id customer\_id order\_date***

*101 1 2022-01-01*

*102 1 2022-01-15*

*103 2 2022-02-01*

***INNER JOIN Result (Specific Region = 'North'):***

***customer\_name region order\_id order\_date***

*Naveen North 101 2022-01-01*

*Naveen North 102 2022-01-15*

*Surya North NULL NULL*

***LEFT JOIN Result:***

***customer\_name region order\_id order\_date***

*Naveen North 101 2022-01-01*

*Naveen North 102 2022-01-15*

*Ajay South 103 2022-02-01*

*Surya North NULL NULL*