**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.**

**Ans:**

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

FROM customers

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

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

FROM customers

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

**Assignment 2: Utilize a subquery to find customers who have placed orders above the average order value, and write a UNION query to combine two SELECT statements with the same number of columns.**

**Ans:**

//Step 1: Subquery to Find Customers with Orders Above Average Order Value

SELECT customer\_id

FROM orders

GROUP BY customer\_id

HAVING AVG(order\_amount) > (

SELECT AVG(order\_amount) FROM orders

);

//Step 2: UNION Query to Combine SELECT Statements

-- Query 1: Customers who have placed orders above average order value

SELECT customer\_id

FROM orders

GROUP BY customer\_id

HAVING AVG(order\_amount) > (

SELECT AVG(order\_amount) FROM orders

)

UNION

-- Query 2: Customers who have not placed orders above average order value

SELECT customer\_id

FROM customers

WHERE customer\_id NOT IN (

SELECT customer\_id

FROM orders

GROUP BY customer\_id

HAVING AVG(order\_amount) > (

SELECT AVG(order\_amount) FROM orders

)

);