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.

SOLUTION:

```sql
CREATE TABLE customers (

    customer_id INT PRIMARY KEY,

    customer_name VARCHAR(100),

    city VARCHAR(100),

    country VARCHAR(100)

);


INSERT INTO customers (customer_id, customer_name, city, country) VALUES

(1, 'John Doe', 'New York', 'USA'),

(2, 'Jane Smith', 'Los Angeles', 'USA'),

(3, 'Alice Brown', 'New York', 'USA'),

(4, 'Bob Johnson', 'Chicago', 'USA');


CREATE TABLE orders (

    order_id INT PRIMARY KEY,
```

```sql
    customer_id INT,

    order_date DATE,

    total_amount DECIMAL(10, 2)

);


INSERT INTO orders (order_id, customer_id, order_date, total_amount) VALUES

(101, 1, '2024-05-01', 100.00),

(102, 3, '2024-05-03', 150.00),

(103, 2, '2024-05-05', 200.00);

SELECT c.customer_name, c.city, c.country, o.order_id, o.order_date, o.total_amount

FROM customers c

LEFT JOIN orders o ON c.customer_id = o.customer_id

WHERE c.country = 'USA'

ORDER BY c.customer_id;
```

OUTPUT:

```sql
26
27 ● SELECT c.customer_name, c.city, c.country, o.order_id, o.order_date, o.total_amount
28   FROM customers c
29   LEFT JOIN orders o ON c.customer_id = o.customer_id
30   WHERE c.country = 'USA'
31   ORDER BY c.customer_id;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\mathbb{A}$

customer_name	city	country	order_id	order_date	total_amount
John Doe	New York	USA	101	2024-05-01	100.00
Jane Smith	Los Angeles	USA	103	2024-05-05	200.00
Alice Brown	New York	USA	102	2024-05-03	150.00
Bob Johnson	Chicago	USA	NULL	NULL	NULL