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:

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,

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:

