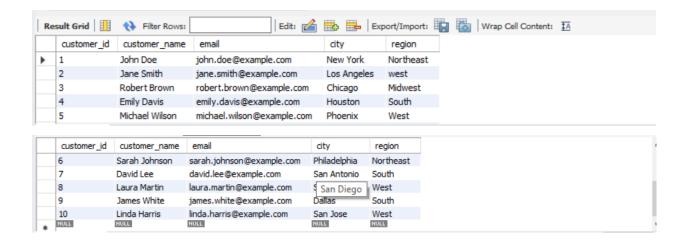
Assignment 2 :- Craft a query using an INNER JOIN to combine 'orders' and 'customers' tables for customers in a specified region, and a LEFT JOIN to display all customers including those without orders.

```
Queries:-
create database Services;
use Services:
-- Create the customers table
CREATE TABLE customers (
  customer id INT PRIMARY KEY,
  customer name VARCHAR(100),
  email VARCHAR(100),
  city VARCHAR(50),
  region VARCHAR(50)
);
-- Insert 10 rows of data
INSERT INTO customers (customer id, customer name, email, city,
region) VALUES
(1, 'John Doe', 'john.doe@example.com', 'New York', 'Northeast'),
(2, 'Jane Smith', 'jane.smith@example.com', 'Los Angeles', 'west'),
(3, 'Robert Brown', 'robert.brown@example.com', 'Chicago', 'Midwest'),
(4, 'Emily Davis', 'emily.davis@example.com', 'Houston', 'South'),
(5, 'Michael Wilson', 'michael.wilson@example.com', 'Phoenix','West'),
           'Sarah
                         Johnson',
                                           'sarah.johnson@example.com',
(6,
'Philadelphia', 'Northeast'),
(7, 'David Lee', 'david.lee@example.com', 'San Antonio', 'South'),
(8, 'Laura Martin', 'laura.martin@example.com', 'San Diego','West').
(9, 'James White', 'james.white@example.com', 'Dallas', 'South'),
(10, 'Linda Harris', 'linda.harris@example.com', 'San Jose', 'West');
```

Select * from customers:



```
-- Create the orders table
CREATE TABLE orders (
order_id INT PRIMARY KEY,
customer_id INT,
order_date DATE,
order_amount DECIMAL(10, 2),
FOREIGN KEY (customer_id) REFERENCES customers(customer_id));
```

-- Insert 10 rows of data into the orders table INSERT INTO orders (order_id, customer_id, order_date, order_amount) VALUES

```
(1, 1, '2024-01-15', 150.00),
```

(2, 2, '2024-02-20', 200.00),

(3, 1, '2024-03-25', 300.00),

(4, 3, '2024-04-05', 120.00),

(5, 5, '2024-05-10', 450.00),

(6, 6, '2024-06-15', 250.00),

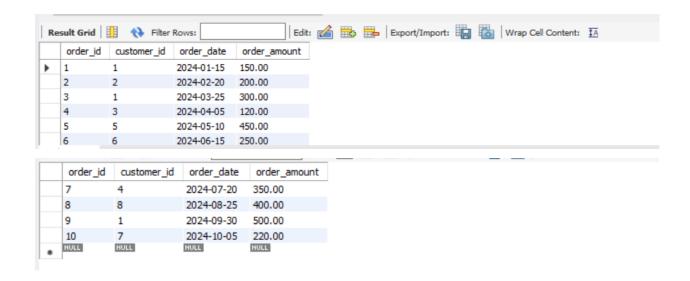
(7, 4, '2024-07-20', 350.00),

(8, 8, '2024-08-25', 400.00),

(9, 1, '2024-09-30', 500.00),

(10, 7, '2024-10-05', 220.00);

Select * from orders:

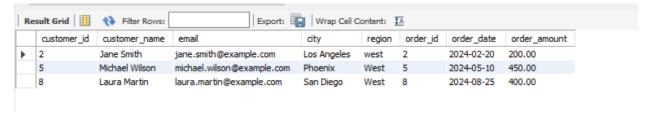


-- INNER JOIN

SELECT

- c.customer_id,
- c.customer_name,
- c.email,
- c.city,
- c.region,
- o.order id,
- o.order_date,
- o.order amount

FROM customers c INNER JOIN orders o ON c.customer_id = o.customer_id WHERE c.region = 'West';



-- LEFT JOIN SELECT c.customer_id,

- c.customer_name,
- c.email,
- c.city,
- c.region,
- o.order id,
- o.order_date,
- o.order_amount

FROM customers c LEFT JOIN orders o ON c.customer_id = o.customer_id WHERE c.region = 'West';

