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SQL Query 1:

CREATE DATABASE Customers;

USE Customers;

CREATE TABLE IF NOT EXISTS Customer(customer\_id INT PRIMARY KEY,first\_name VARCHAR(20),last\_name VARCHAR(30));

INSERT INTO Customer VALUES(13, 'Roland', 'Conlin');

INSERT INTO Customer VALUES(23, 'Donald', 'Hawkings');

INSERT INTO Customer VALUES(35, 'Stephen', 'Jones');

SELECT \* FROM Customer;

CREATE TABLE IF NOT EXISTS Orders(order\_id BIGINT PRIMARY KEY,order\_date DATE,total\_amount DOUBLE,customer\_id INT,FOREIGN KEY(customer\_id) REFERENCES Customer(customer\_id));

INSERT INTO Orders VALUES(494503, '2016-03-14', 450.00, 13);

INSERT INTO Orders VALUES(494504, '2016-03-14', 350.00, 23);

INSERT INTO Orders VALUES(494505, '2016-03-14', 150.00, 35);

SELECT \* FROM Orders;

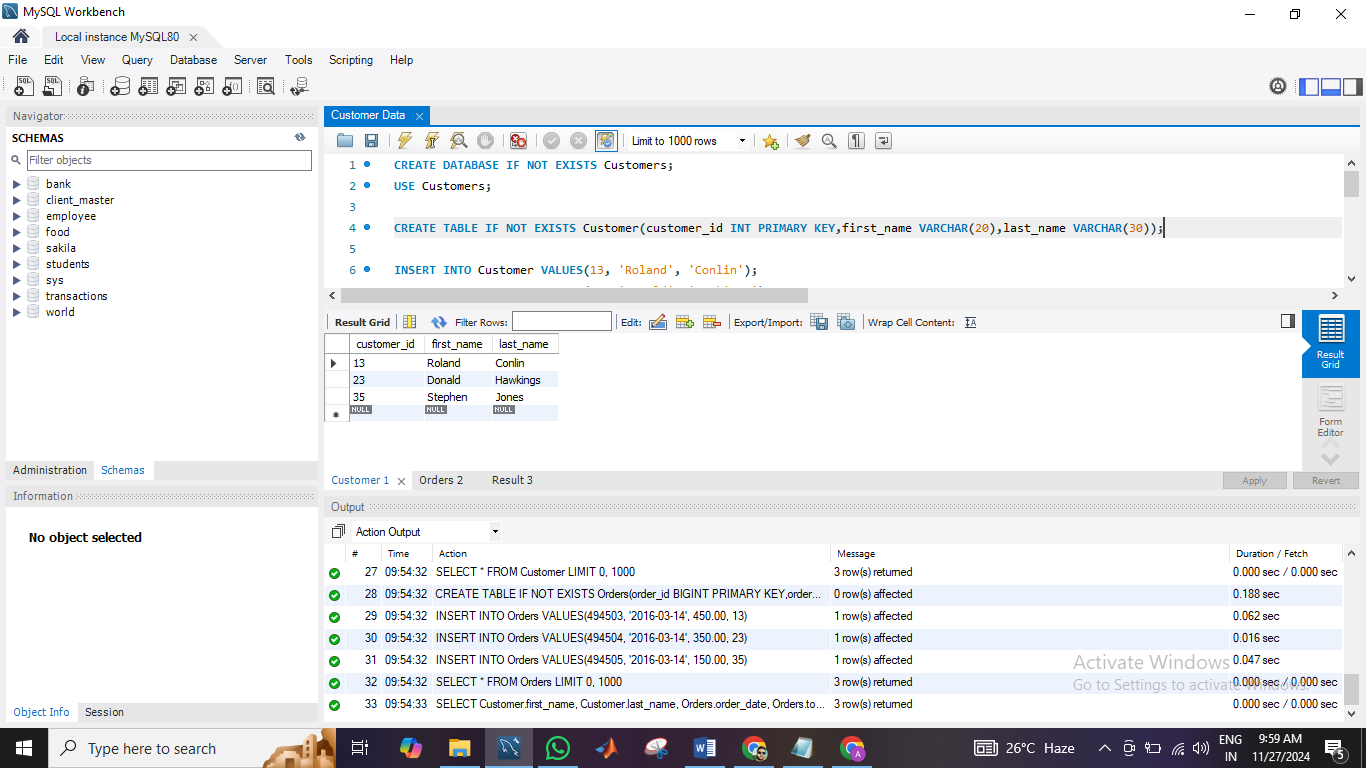
# Perform Inner Join

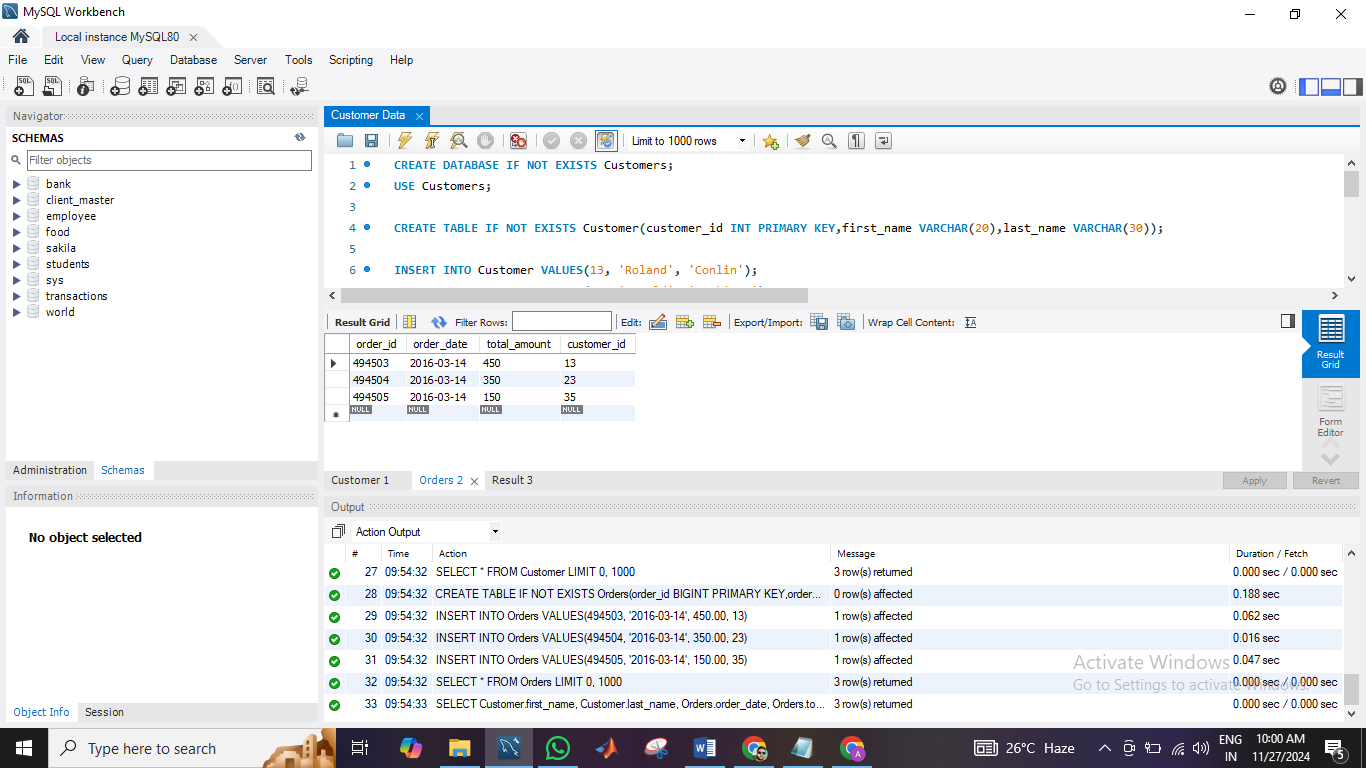
SELECT Customer.first\_name, Customer.last\_name, Orders.order\_date, Orders.total\_amount

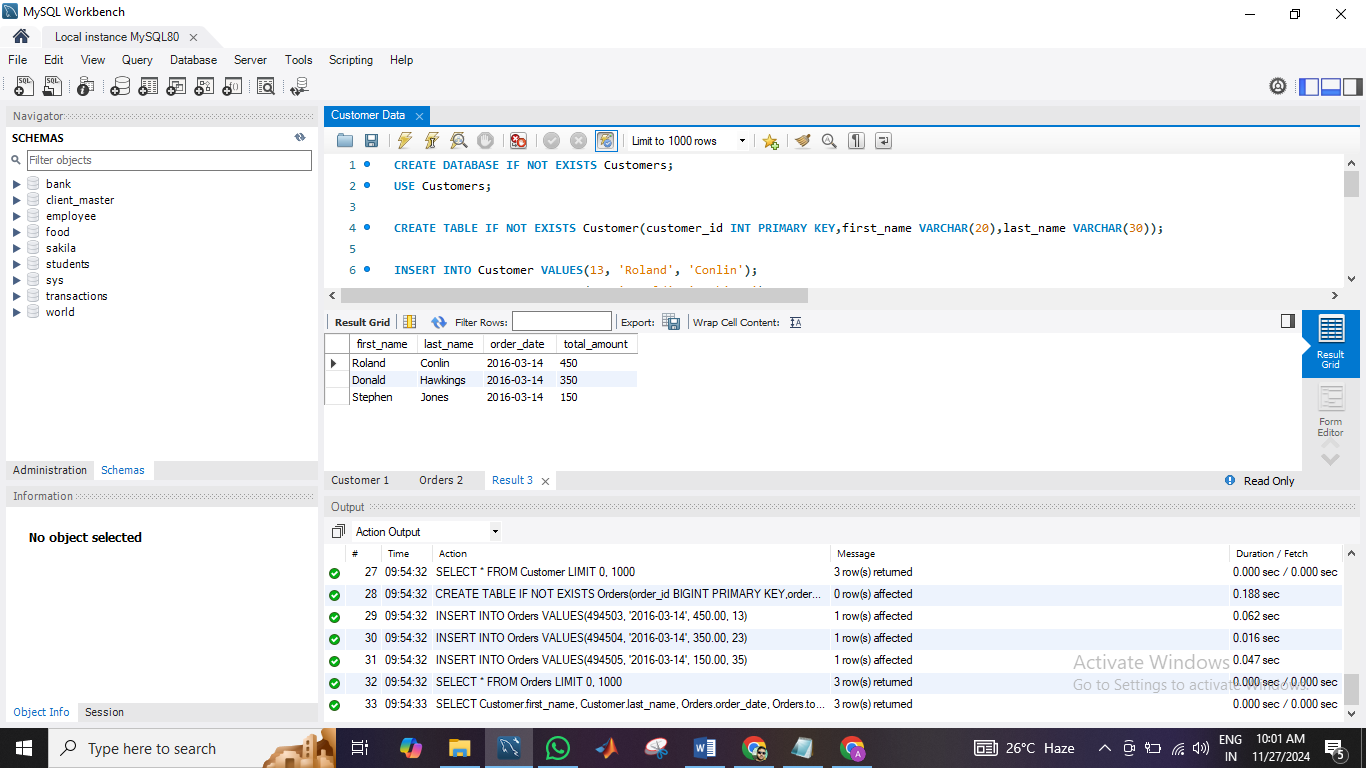
FROM Customer

INNER JOIN Orders ON Customer.customer\_id = Orders.customer\_id;

**RESULTS:**







SQL Query 2:

CREATE DATABASE CompanyDB;

USE CompanyDB;

# Create Department Table

CREATE TABLE Department (department\_id INT PRIMARY KEY,department\_name VARCHAR(30));

INSERT INTO Department VALUES(1, 'Human Resources');

INSERT INTO Department VALUES(2, 'Finance');

INSERT INTO Department VALUES(3, 'IT');

INSERT INTO Department VALUES(4, 'Marketing');

# Create Employees Table

CREATE TABLE Employees (employee\_id INT PRIMARY KEY,first\_name VARCHAR(30),last\_name VARCHAR(30),department\_id INT,FOREIGN KEY (department\_id) REFERENCES Department(department\_id));

INSERT INTO Employees VALUES(101, 'John', 'Doe', 1);

INSERT INTO Employees VALUES(102, 'Jane', 'Smith', 2);

INSERT INTO Employees VALUES(103, 'Michael', 'Johnson', 3);

# Perform Left Join

SELECT Department.department\_name, Employees.first\_name, Employees.last\_name

FROM Department

LEFT JOIN Employees ON Department.department\_id = Employees.department\_id;

**RESULTS:**

