Day 10 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.**

**CREATE TABLE customers (**

**customer\_id INT PRIMARY KEY,**

**customer\_name VARCHAR2(100),**

**region VARCHAR2(50)**

**);**

insert into customers (customer\_id, customer\_name, region) values

(1, 'John Doe', 'North America'),

insert into customers (customer\_id, customer\_name, region) values

(2, 'Jane Smith', 'Europe'),

insert into customers (customer\_id, customer\_name, region) values

(3, 'Bob Johnson', 'North America'),

insert into customers (customer\_id, customer\_name, region) values

(4, 'Alice Brown', 'Asia'),

insert into customers (customer\_id, customer\_name, region) values

(5, 'Charlie Wilson', 'North America'),

insert into customers (customer\_id, customer\_name, region) values

(6, 'Diana Clark', 'Europe');

***Create 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 into orders (order\_id, customer\_id, order\_date, order\_amount) values

(101, 1, '2023-01-15', 150.00),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(102, 2, '2023-02-20', 200.50),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(103, 1, '2023-03-10', 75.25),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(104, 3, '2023-04-05', 300.00),

Insert into orders (order\_id, customer\_id, order\_date, order\_amount) values

(105, 2, '2023-05-12', 180.75);

**SELECT**

**c.customer\_id,**

**c.customer\_name,**

**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 = 'North America'**

**ORDER BY**

**c.customer\_id, o.order\_date;**

**SELECT**

**c.customer\_id,**

**c.customer\_name,**

**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**

**ORDER BY**

**c.customer\_id, o.order\_date;**