

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.

ANS:

```
create database JoinsQueries;
```

```
show databases;
```

```
use JoinsQueries;
```

```
CREATE TABLE customers (  
    customer_id INT PRIMARY KEY,  
    customer_name VARCHAR(100),  
    region VARCHAR(50)  
);
```

```
INSERT INTO customers (customer_id, customer_name, region)  
VALUES  
    (1, 'John Doe', 'North America'),  
    (2, 'Jane Smith', 'Europe'),  
    (3, 'Alice Johnson', 'Asia');
```

```
CREATE TABLE orders (  
    order_id INT PRIMARY KEY,  
    order_date DATE,  
    total_amount DECIMAL(10, 2),  
    customer_id INT,  
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id)  
);
```

```
INSERT INTO orders (order_id, order_date, total_amount, customer_id)  
VALUES  
    (101, '2024-01-15', 150.00, 1),  
    (102, '2024-02-20', 200.00, 2),  
    (103, '2024-03-10', 100.00, 1);  
SELECT  
    o.order_id,  
    o.order_date,  
    o.total_amount,  
    c.customer_id,  
    c.customer_name,  
    c.region  
FROM  
    customers c  
LEFT JOIN  
    orders o ON c.customer_id = o.customer_id  
WHERE  
    c.region = 'North America';
```