

**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.

-- Customers table

```
CREATE TABLE customers (  
    customer_id number,  
    customer_name VARCHAR(50),  
    place VARCHAR(50)  
);
```

```
INSERT INTO customers (customer_id, customer_name, place)  
VALUES  
    (1, 'John', 'skp'),  
    (2, 'Smith', 'hsn'),  
    (3, 'david', 'bangalore'),  
    (4, 'joseph', 'skp');
```

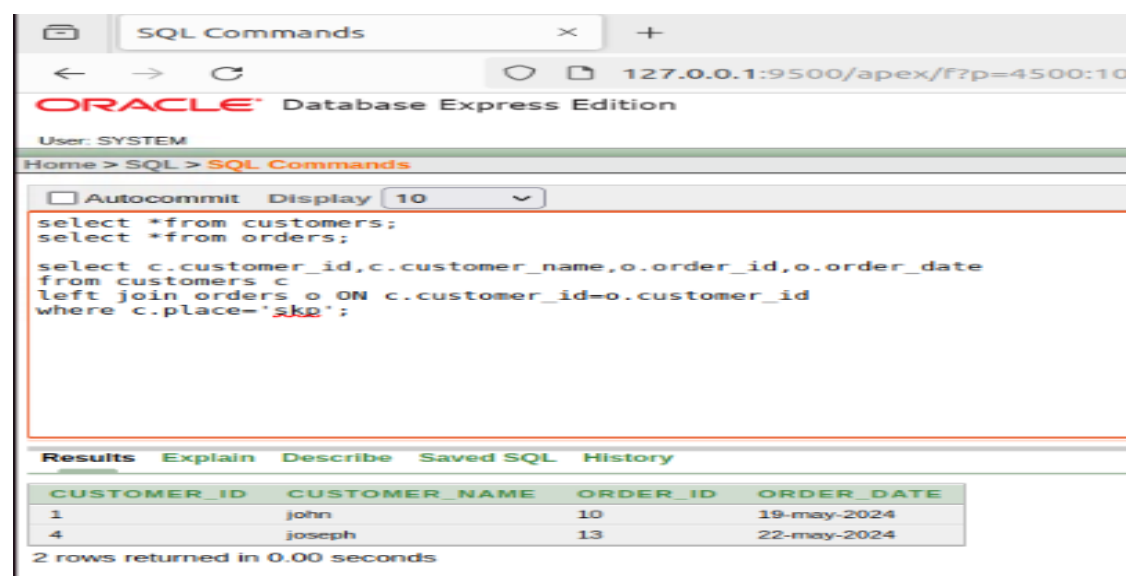
-- Orders table

```
CREATE TABLE orders (  
    order_id number,  
    customer_id number,  
    order_date varchar(20));
```

```
INSERT INTO orders (order_id, customer_id, order_date)  
VALUES  
    (10, 1, '19-may-2024'),  
    (11, 2, '20-may-2024'),  
    (12, 3, '21-may-2024'),  
    (13, 4, '22-may-2024');
```

**-- SQL query for get customers in a specified region with their orders**

```
SELECT c.customer_id, c.customer_name, o.order_id, o.order_date  
FROM customers c  
INNER JOIN orders o ON c.customer_id = o.customer_id  
WHERE c.place = 'skp';
```



The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
select *from customers;  
select *from orders;  
  
select c.customer_id,c.customer_name,o.order_id,o.order_date  
from customers c  
left join orders o ON c.customer_id=o.customer_id  
where c.place='skp';
```

The Results tab shows the output of the query:

CUSTOMER_ID	CUSTOMER_NAME	ORDER_ID	ORDER_DATE
1	John	10	19-may-2024
4	joseph	13	22-may-2024

2 rows returned in 0.00 seconds

Combined coustomer and order table using left join and Display all the customer including those without orders

```
SELECT c.cusomer_id,c.place,c.customer_name,o.oredr_id,o.order_date
FROM customers c
LEFT JOIN order o ON c.customer_id=o.customer_id;
```

The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL 127.0.0.1:9500/apex/f?p=4500:1003:355832621155. The page title is "ORACLE Database Express Edition". The user is logged in as "SYSTEM". The breadcrumb navigation shows "Home > SQL > SQL Commands". The "Autocommit" checkbox is unchecked, and the "Display" dropdown is set to "10". The SQL command window contains the following query:

```
select *from customers;
select *from orders;

select c.customer_id,c.customer_name,o.order_id,o.order_date
from customers c
left join orders o ON c.customer_id=o.customer_id
where c.place='skp';
select c.customer_id,c.customer name,c.place,o.order id,o.order date
from customers c
left join orders o on c.customer id=o.customer id;
```

The "Results" tab is selected, showing a table with 5 rows. The table has the following columns: CUSTOMER\_ID, CUSTOMER\_NAME, PLACE, ORDER\_ID, and ORDER\_DATE.

CUSTOMER_ID	CUSTOMER_NAME	PLACE	ORDER_ID	ORDER_DATE
1	john	skp	10	19-may-2024
2	smith	hsn	11	20-may-2024
3	david	bangalore	12	21-may-2024
1	john	skp	13	22-may-2024
4	joseph	skp	-	-

5 rows returned in 0.00 seconds