

## Assignment – 5

**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.**

Create table customers

```
(  
id int primary key,  
name varchar2(20),  
email varchar2(20),  
city varchar(20)  
);
```

desc customers;

insert into customers values (1,'sravya','sravya@gmail.com','hyderbad');

insert into customers values (2,'aki','aki@gmail.com','unitedstates');

insert into customers values (3,'anu','anu@gmail.com','bangalore');

select \* from customers;

```
select name,email  
from customers  
where city = 'unitedstates';
```

```
select name,email  
from customers  
where city = 'hyderbad';
```

select \* from customers;

```
Create table orders
(
orderid int primary key,
customerid int,
orderdate int
);
desc orders;
```

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```
from customers
where city = 'hyderabad';

select * from customers;

Create table orders
(
orderid int primary key,
customerid int,
orderdate int
);

desc orders;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ORDERS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORDERS	ORDERID	Number	-	-	0	1	-	-	-
	CUSTOMERID	Number	-	-	0	-	✓	-	-
	ORDERDATE	Number	-	-	0	-	✓	-	-

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```
insert into orders values (101,1,20240528);
```

```
insert into orders values (102,2,20240529);
```

```
insert into orders values (103,3,20233008);
```

select \* from orders;

select \* from customers

INNER JOIN orders ON customers.id = orders.customerid;

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```
customerid int,  
orderdate int  
);  
  
desc orders;  
insert into orders values (101,1,20240528);  
insert into orders values (102,2,20240529);  
insert into orders values (103,3,20233008);  
  
select * from orders;  
  
select * from customers  
INNER JOIN orders ON customers.id = orders.customerid;
```

Results Explain Describe Saved SQL History

ID	NAME	EMAIL	CITY	ORDERID	CUSTOMERID	ORDERDATE
1	sravya	sravya@gmail.com	hyderabad	101	1	20240528
2	aki	aki@gmail.com	unitedstates	102	2	20240529
3	anu	anu@gmail.com	bangalore	103	3	20233008

3 rows returned in 0.00 seconds [CSV Export](#)

SELECT c., o.

FROM customers c

INNER JOIN orders o ON c.id = o.customerid

WHERE c.city = 'unitedstates';

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```
desc orders;
insert into orders values (101,1,20240528);
insert into orders values (102,2,20240529);
insert into orders values (103,3,20233008);

select * from orders;

select * from customers
INNER JOIN orders ON customers.id = orders.customerid;
```

```
SELECT c.*, o.*
FROM customers c
INNER JOIN orders o ON c.id = o.customerid
WHERE c.city = 'unitedstates';
```

Results Explain Describe Saved SQL History

ID	NAME	EMAIL	CITY	ORDERID	CUSTOMERID	ORDERDATE
2	aki	aki@gmail.com	unitedstates	102	2	20240529

1 rows returned in 0.00 seconds

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```
SELECT c., o.
FROM customers c
LEFT JOIN orders o ON c.id = o.customerid;
```

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```
select * from orders;

select * from customers
INNER JOIN orders ON customers.id = orders.customerid;
```

```
SELECT c.*, o.*
FROM customers c
INNER JOIN orders o ON c.id = o.customerid
WHERE c.city = 'unitedstates';
```

```
SELECT c.*, o.*
FROM customers c
LEFT JOIN orders o ON c.id = o.customerid;
```

Results Explain Describe Saved SQL History

ID	NAME	EMAIL	CITY	ORDERID	CUSTOMERID	ORDERDATE
1	sravya	sravya@gmail.com	hyderabad	101	1	20240528
2	aki	aki@gmail.com	unitedstates	102	2	20240529
3	anu	anu@gmail.com	banglore	103	3	20233008

3 rows returned in 0.00 seconds

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