

**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:

**INNER JOIN to combine 'orders' and 'customers' tables for customers in a specified region**

SELECT

c.customer\_id,  
c.customer\_name,  
c.customer\_email,  
c.city,  
o.order\_id,  
o.product\_id,  
o.quantity,  
o.order\_date

FROM customers c

INNER JOIN orders o ON c.customer\_id = o.customer\_id

WHERE c.city = 'Mumbai';



LEFT JOIN orders o ON c.customer\_id = o.customer\_id;

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
406 FROM customers c
407 INNER JOIN orders o ON c.customer_id = o.customer_id
408 WHERE c.city = 'Mumbai';
409
410 SELECT
411     c.customer_id,
412     c.customer_name,
413     c.customer_email,
```

The Results grid displays the following data:

customer_id	customer_name	customer_email	city	order_id	product_id	quantity	order_date
1	asha	asha@gmail.com	pune	1	101	2	2024-01-01
1	asha	asha@gmail.com	pune	4	104	1	2024-01-04
2	malar	malar@gmail.com	mumbai	2	102	1	2024-01-02
2	malar	malar@gmail.com	mumbai	5	105	2	2024-01-05
3	manish	manish@gmail.com	banglore	3	103	3	2024-01-03
4	divya	divya@gmail.com	thane	6	101	1	2024-01-06
5	grish	grish@gmail.com	pune	7	102	3	2024-01-07
6	deepak	deepak@gmail.com	mumbai	1001	1002	1003	1004

The left sidebar shows the Schemas tree with the 'emp' table selected. The bottom status bar shows the session information.