SQL QUERIES WITH NESTED LOGIC:

1) SUBQUERIES USING IN:-

select customer.customer_id, customer_name from customer where customer_id in (select customer_id from orders);

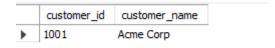


select * from orders where customer_id in (select customer_id from customer where country = 'Canada');



2) SUBQUERIES USING EXISTS:-

select customer_id,customer_name from customer where exists(select customer_id from orders where customer.customer_id = orders.customer_id and order_date = '2025-08-01');



select o1.* from orders as o1 where exists(select o2.* from orders as o2 where o1.customer_id = o2.customer_id and o1.order_id <> o2.order_id and o1.amount > o2.amount);

ORDER_ID	CUSTOMER_ID	ORDER_DATE	AMOUNT
202	1001	2025-08-05	1850.00
204	1003	2025-08-07	1340.00
NULL	NULL	NULL	NULL

select * from customer where
exists(select customer_id from orders
where customer.customer_id = orders.customer_id and orders.amount
= 1200.00);

CUSTOMER_ID	CUSTOMER_NAME	CONTACT_NUMBER	COUNTRY
1001	Acme Corp	9765592502	India
NULL	NULL	HULL	NULL

3) SUBQUERIES USING = :-

select orders.order_id,orders.customer_id,customer.customer_name from customer join orders

on customer.customer_id = orders.customer_id where customer.country = 'USA' limit 1;

