DAY 5 ASSIGNMENT

-- 1. GROUP BY with WHERE - Orders by Year and Quarter

-- Display, order year, quarter, order count, avg freight cost only for those orders where freight cost > 100

select \* from orders

select count(\*),avg(freight),

extract(year from order\_date),

extract (quarter from order\_date)from orders

where freight >100

group by

extract(year from order\_date),

extract (quarter from order\_date)

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-- 2. GROUP BY with HAVING - High Volume Ship Regions

-- Display, ship region, no of orders in each region, min and max freight cost

-- Filter regions where no of orders >= 5

select \* from orders

select ship\_region,count(ship\_region),min(freight),max(freight)

from orders

group by ship\_region

having count(ship\_region) >=5

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-- 3. Get all title designations across employees and customers ( Try UNION & UNION ALL)

select \* from employees

select \* from customers

-----union-------

----- union will not give duplicate rows-------

select title from employees

union

select contact\_title from customers

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-----unionall----

------union al will allow duplicate values also-----

select title from employees

union all

select contact\_title from customers

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AI-generated content may be incorrect.-- 4.Find categories that have both discontinued and in-stock products

-- (Display category\_id, instock means units\_in\_stock > 0, Intersect)

select \* from categories

select \* from products

select category\_id from categories

intersect

select category\_id from products

where units\_in\_stock >0 and discontinued =1

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-- 5. Find orders that have no discounted items (Display the order\_id, EXCEPT)

select \* from orders

select \* from order\_details

select order\_id from orders

except

select order\_id from order\_details

where discount = 0

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