Day5

**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 extract(year from orderDate) as order\_year,

extract( quarter from orderDate) as order\_quarter,

count(\*) as order\_count,

avg(freight) as avg\_freight

from orders

where freight>100

group by

extract(year from orderdate ),

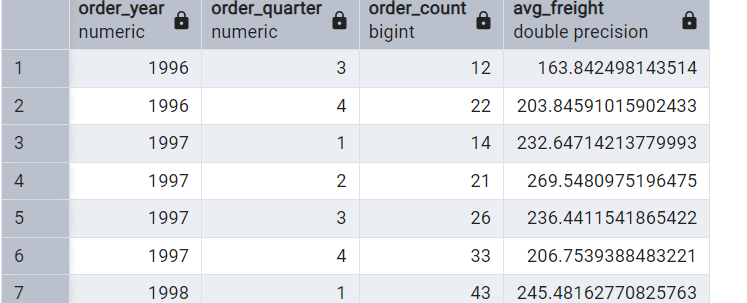
extract(quarter from orderdate)

ORDER BY

order\_year,

order\_quarter;

Output:



**---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 shipperID,

count(\*) as no\_of\_orders,

min(freight)as min\_freight,

max(freight)max\_freight

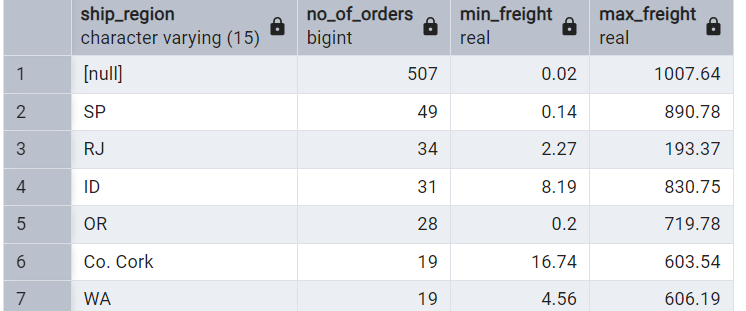
from orders

GROUP BY shipperID

HAVING COUNT(\*) >= 5

ORDER BY no\_of\_orders DESC;

Output:



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

-- Union(without duplicates)

SELECT title

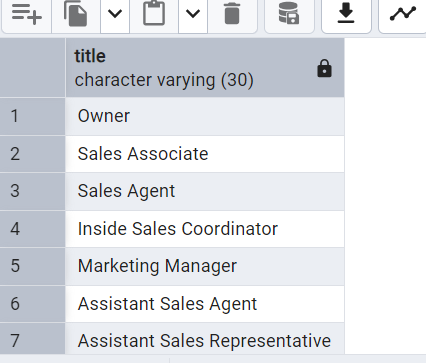
FROM employees

UNION

SELECT contact\_title

FROM customers;

Output:



-- Union all(with duplicates)

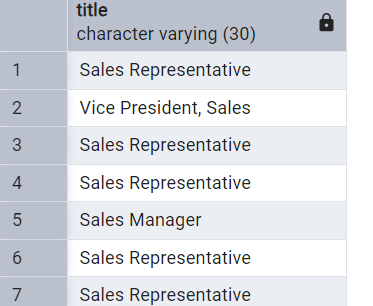
SELECT title FROM employees

UNION ALL

SELECT contact\_title

FROM customers;

Output:



----4.Find categories that have both discontinued and in-stock products

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

select category\_id

from products

where discontinued=1

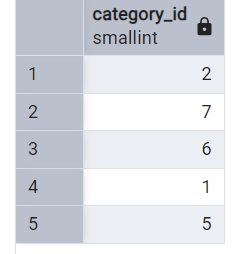
intersect

select category\_id

from products

where units\_in\_stock>0

output:



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

SELECT order\_id

FROM orders

EXCEPT

SELECT DISTINCT order\_id

FROM order\_details

WHERE discount > 0;

Output:

