**Assignment Day 5**

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 order\_date) as Order\_year,

Extract(Quarter from Order\_date) as Order\_quarter,

count(order\_id) as order\_count,

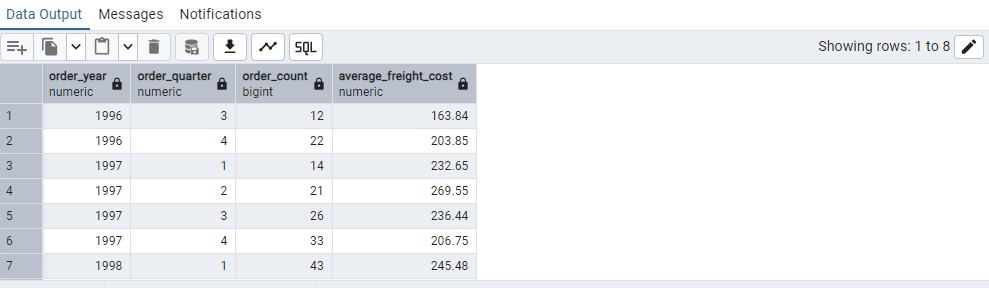
round(avg(freight) :: numeric,2) as Average\_freight\_cost

from orders

where freight > 100

group by order\_year,order\_quarter

order by order\_year,order\_quarter



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 ship\_region as ship\_region,

count(ship\_region) as Order\_count,

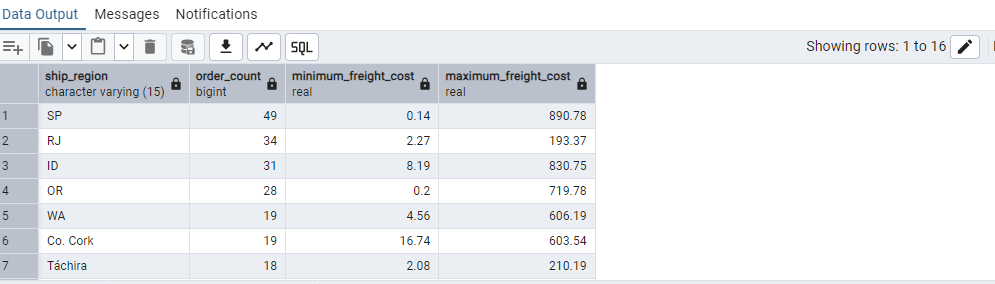
Min(freight) as Minimum\_Freight\_cost,

Max(freight) as Maximum\_Freight\_cost

from orders

Group by ship\_region

having count(ship\_region)>=5



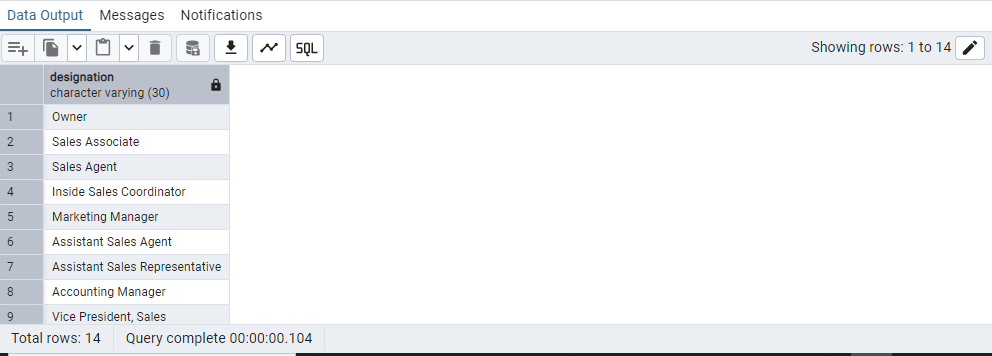
3. Get all title designations across employees and customers ( Try UNION & UNION ALL)

Union

select contact\_title as designation from customers

Union

select title from employees

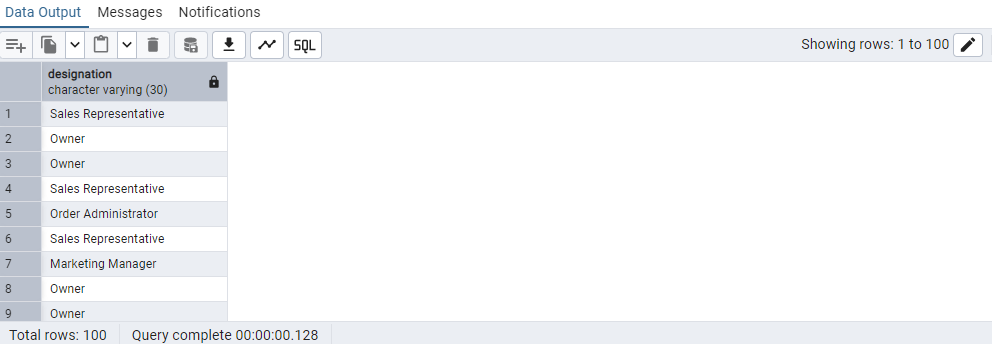


Union All

select contact\_title as designation from customers

Union all

select title from employees



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

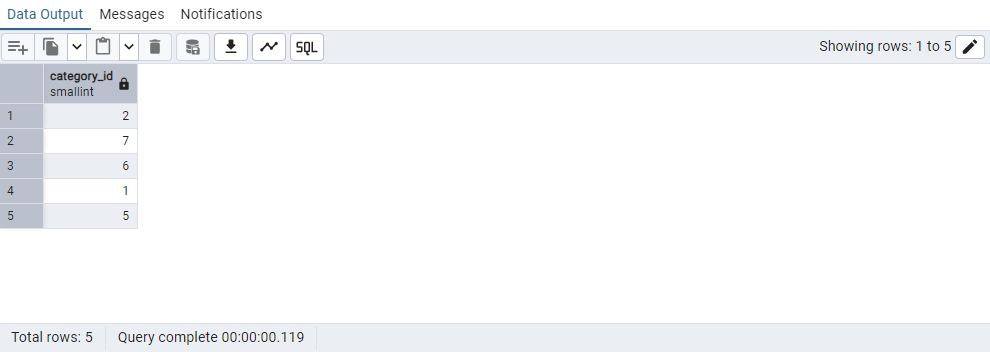
where discontinued = 1

**intersect**

select category\_id

from products

where units\_in\_stock > 0



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

select order\_id from order\_details

**except**

select order\_id from order\_details

where discount = 0

