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(\*) as order\_count,

avg(freight) as avg\_freight\_cost

from orders

where freight>100

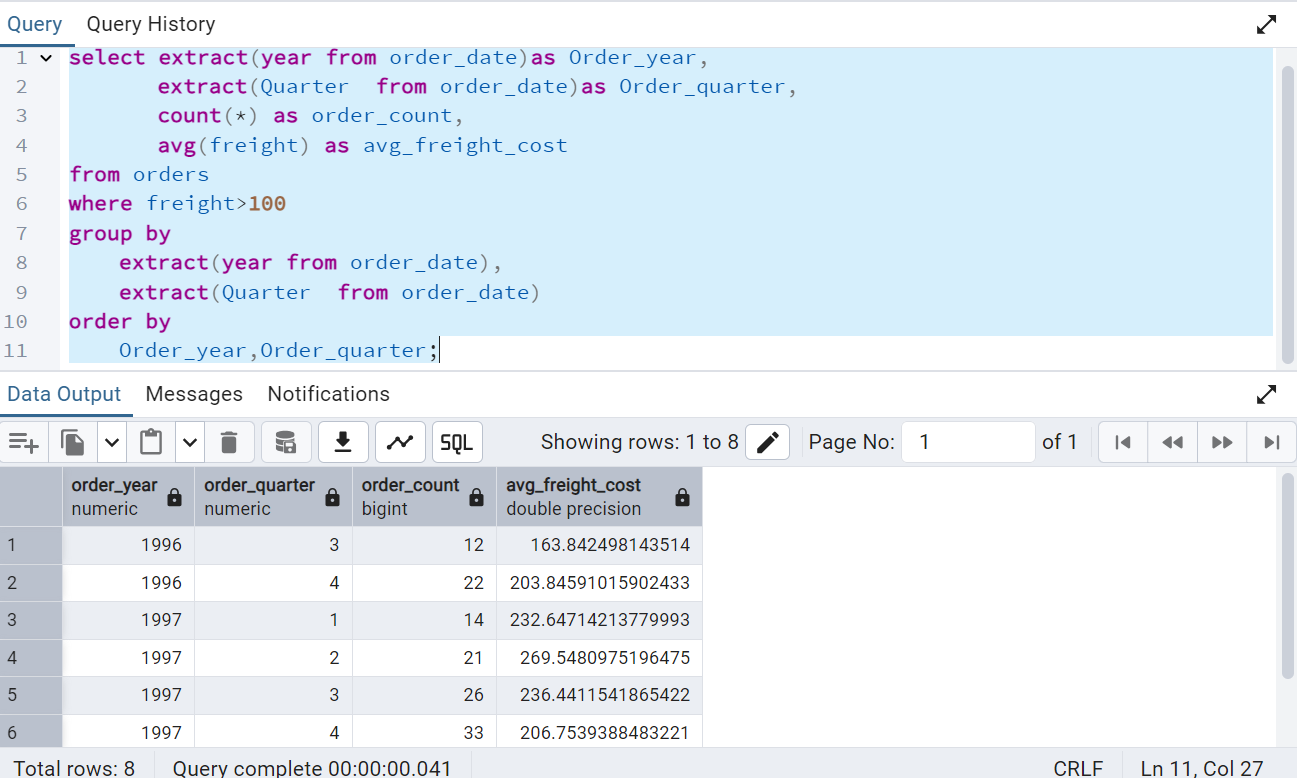
group by

extract(year from order\_date),

extract(Quarter from order\_date)

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,

count(\*) as Order\_count,

min(freight),

max(freight)

from

orders

where

ship\_region IS NOT NULL

group by

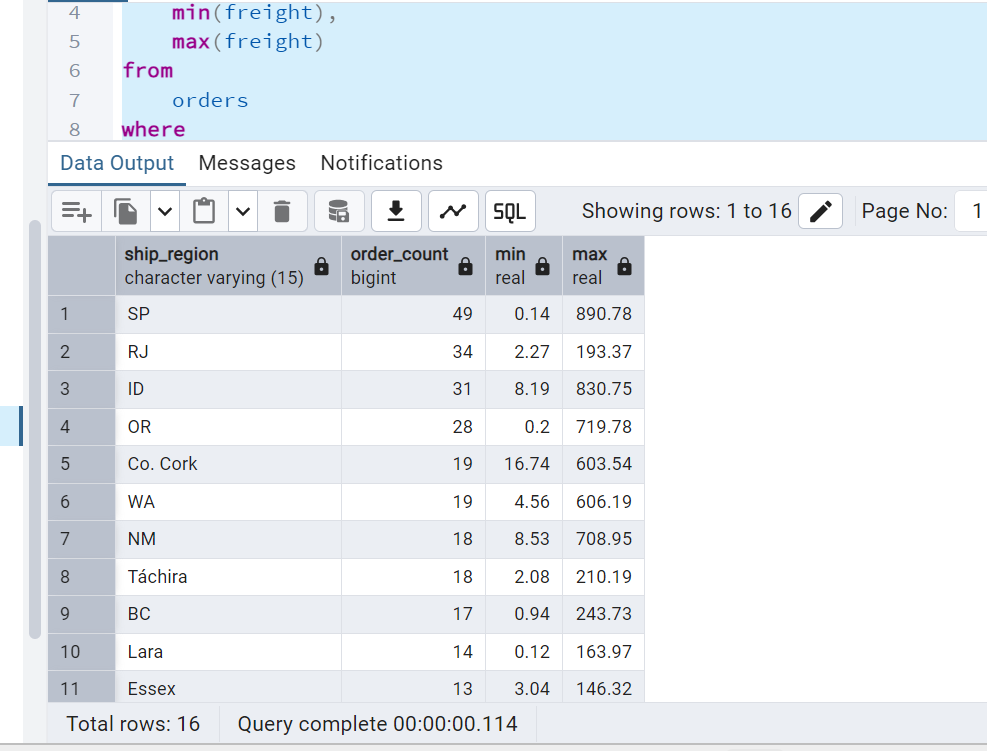
ship\_region

having

count(\*)>=5

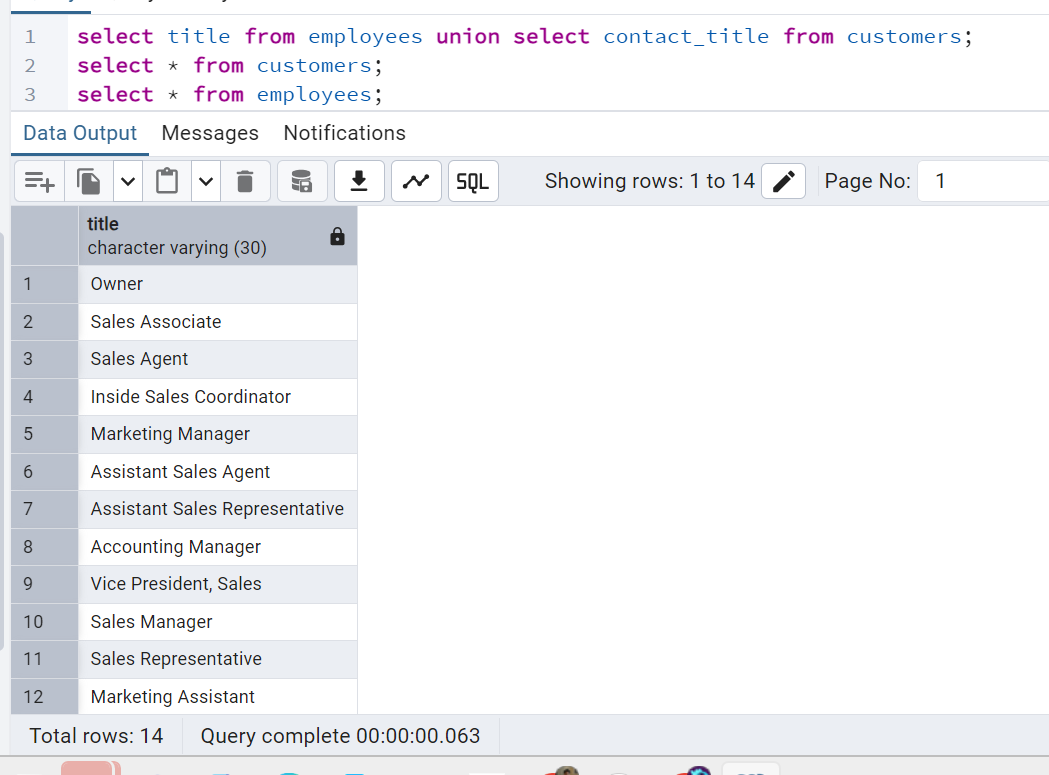
order by

Order\_count Desc;

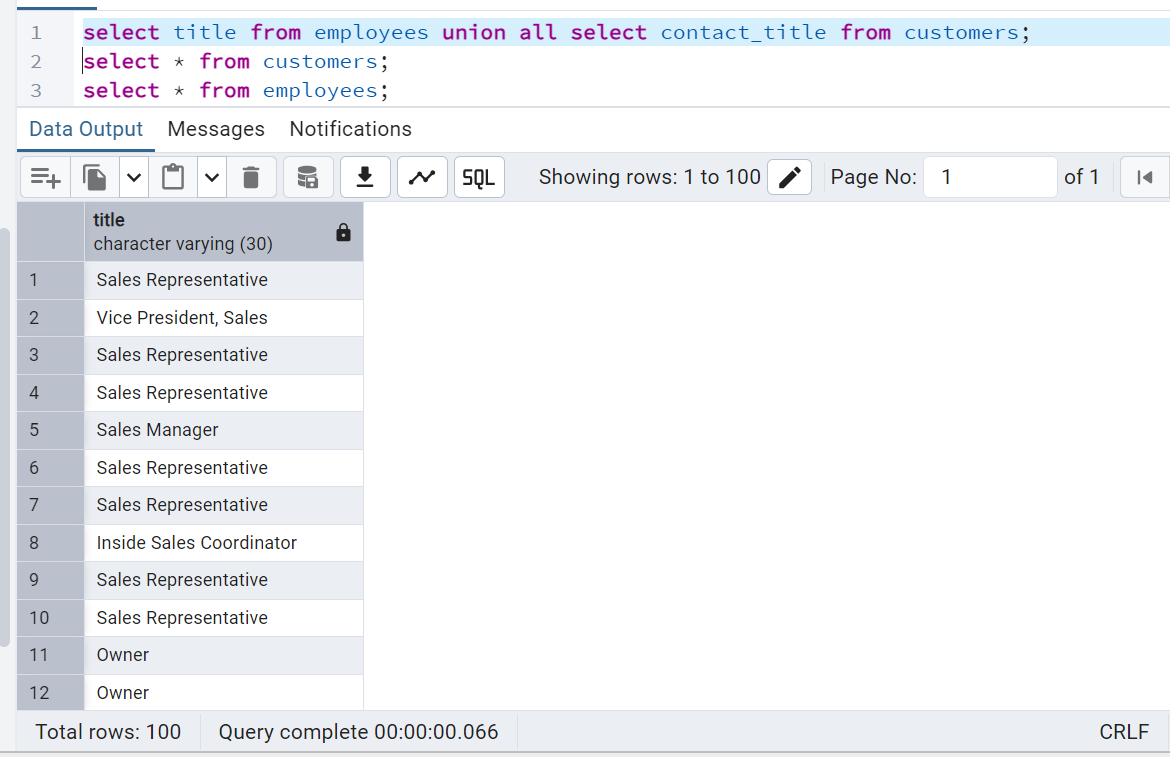


3.      Get all title designations across employees and customers ( Try UNION & UNION ALL)

select title from employees union select contact\_title from customers;



select title from employees union all select contact\_title from customers;



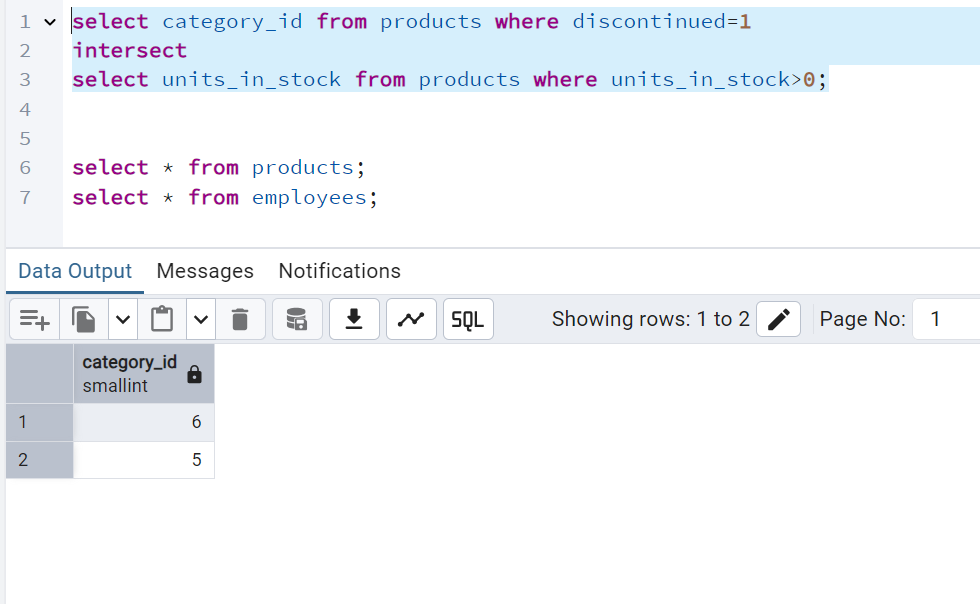
4. Find categories that have both discontinued and in-stock products

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

select category\_id from products where discontinued=1

intersect

select units\_in\_stock 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;

