**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

**Query:**

select

extract(YEAR from order\_date) as order\_year,

extract(quarter from order\_date) as order\_quarter,

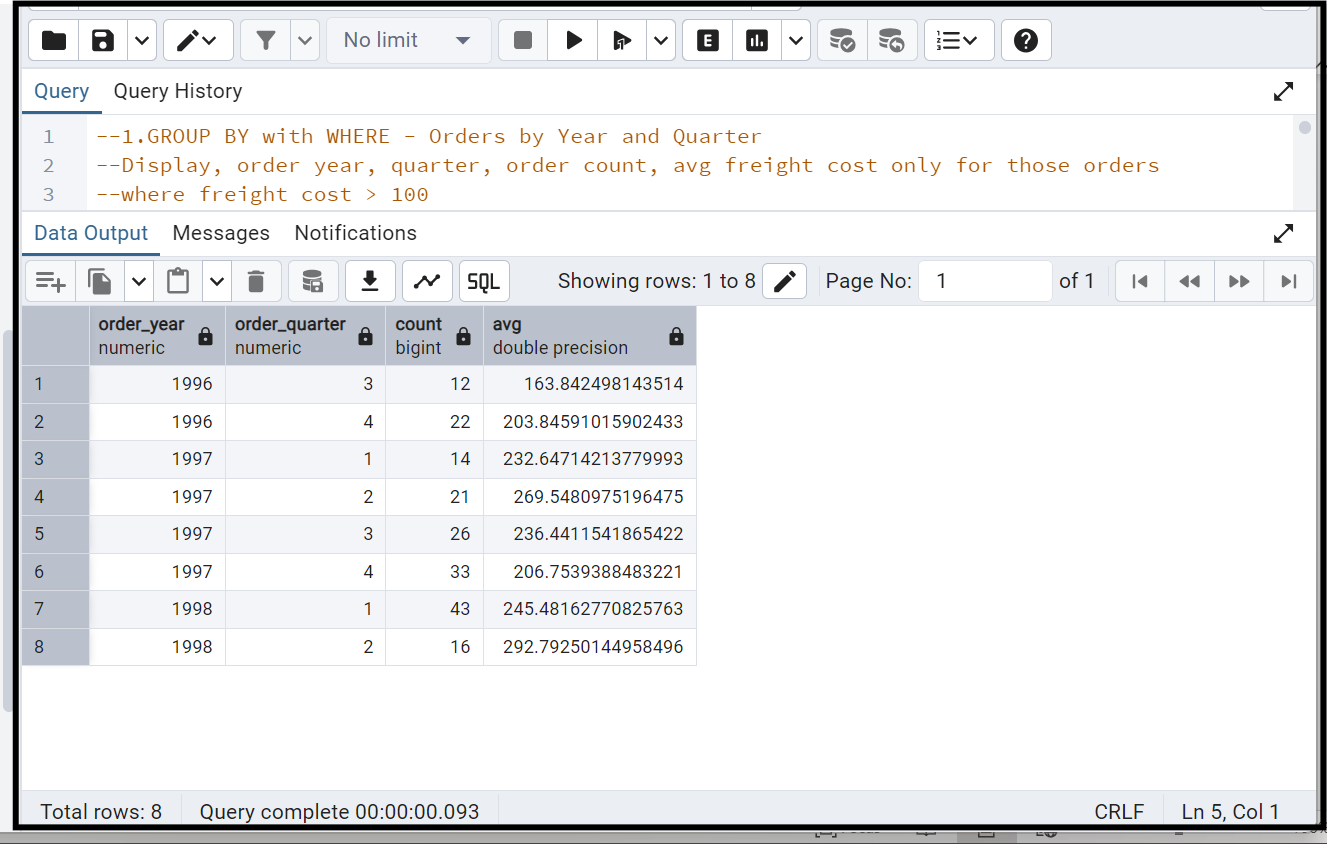
count(order\_id),avg(freight)

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

**Query:**

select

ship\_region,

count(order\_id) as no\_of\_orders,

min(freight) as min\_freigt\_cost,

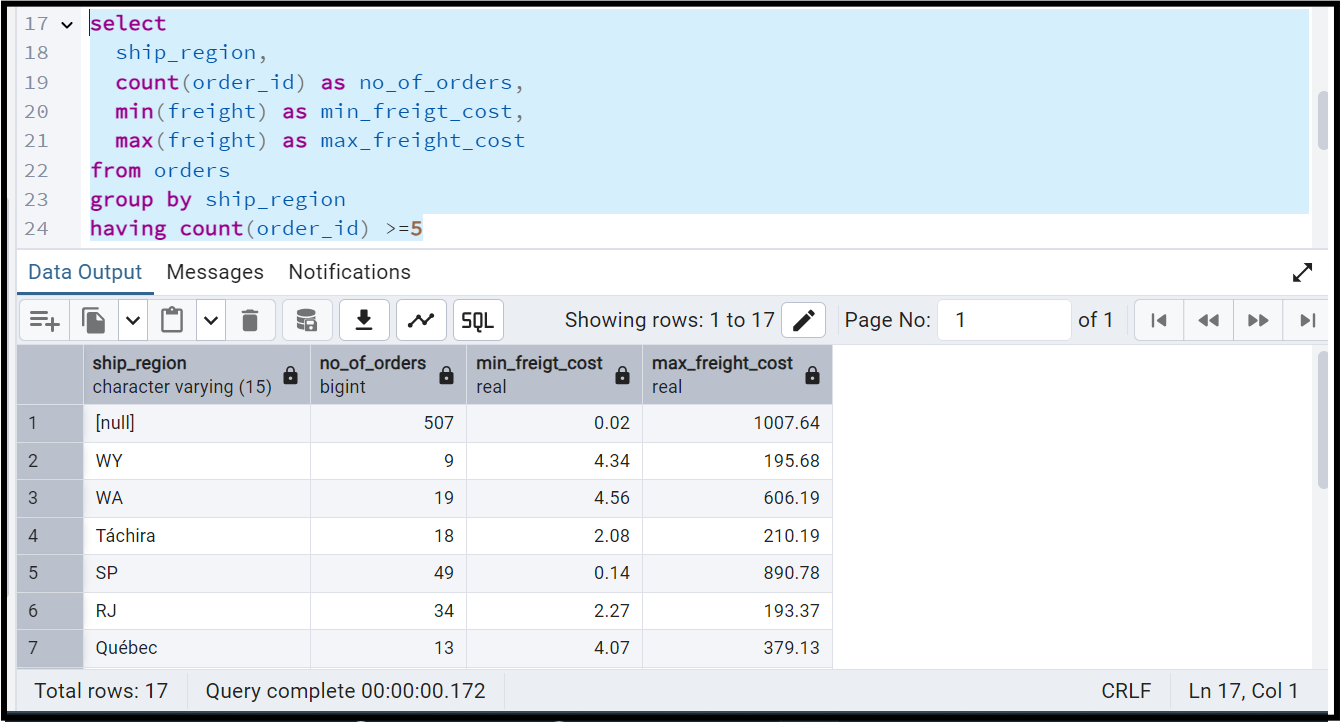
max(freight) as max\_freight\_cost

from orders

group by ship\_region

having count(order\_id) >=5;

order by ship\_region desc;



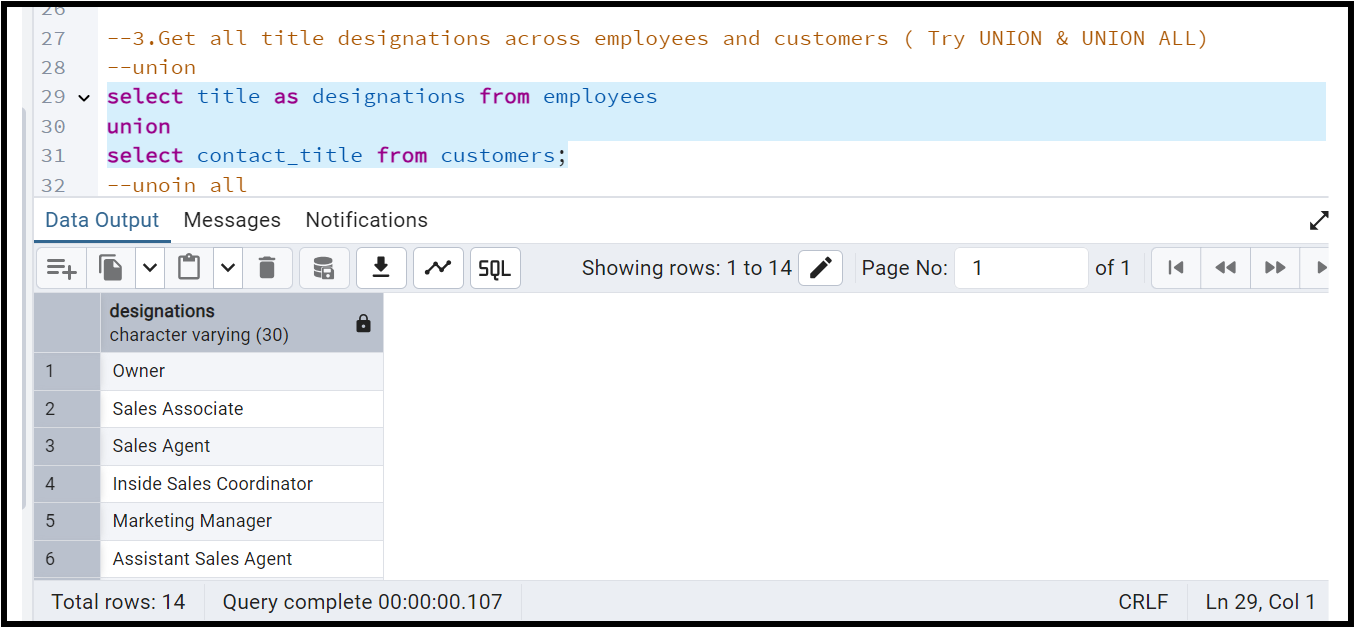
3. Get all title designations across employees and customers ( Try UNION & UNION ALL)

**Query**:

select title as designations from employees

union

select contact\_title from customers;

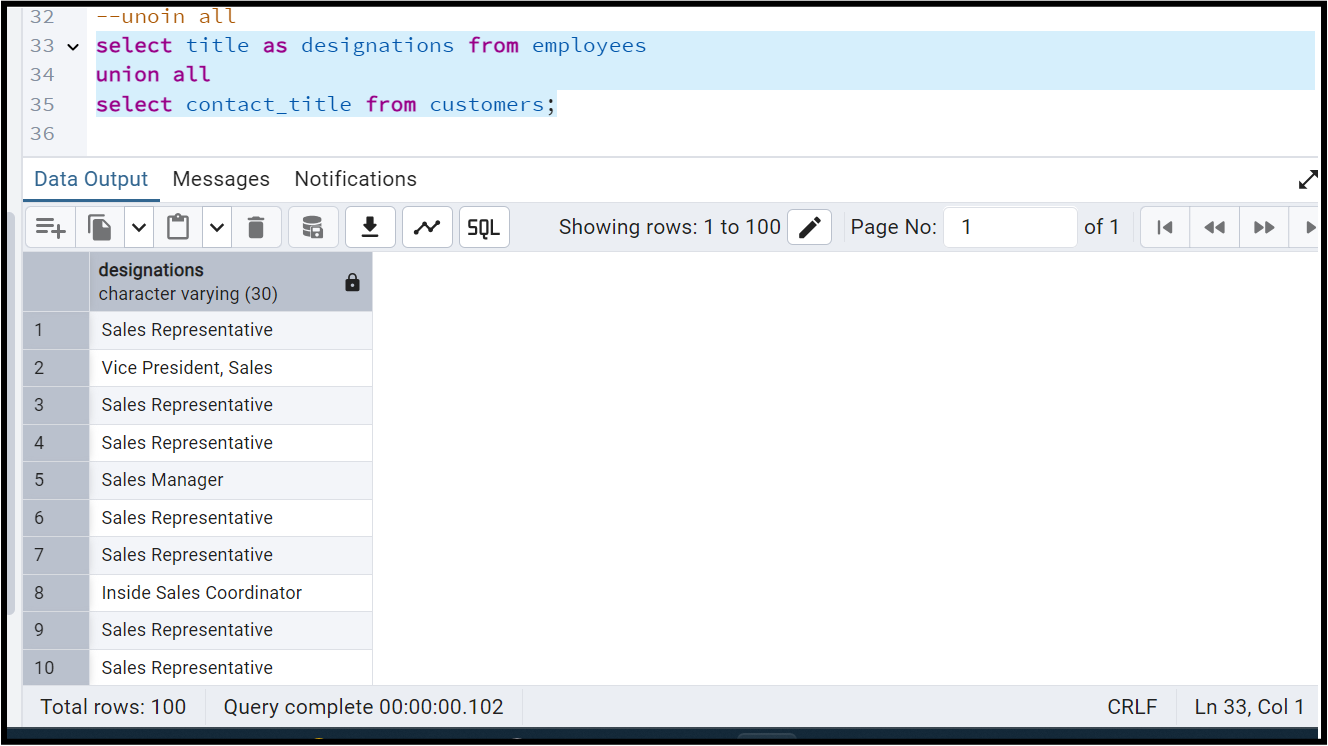


**Union ALL**

select title as designations 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)

Ans:

**Query:1**

select category\_id,units\_in\_stock,units\_on\_order

from products

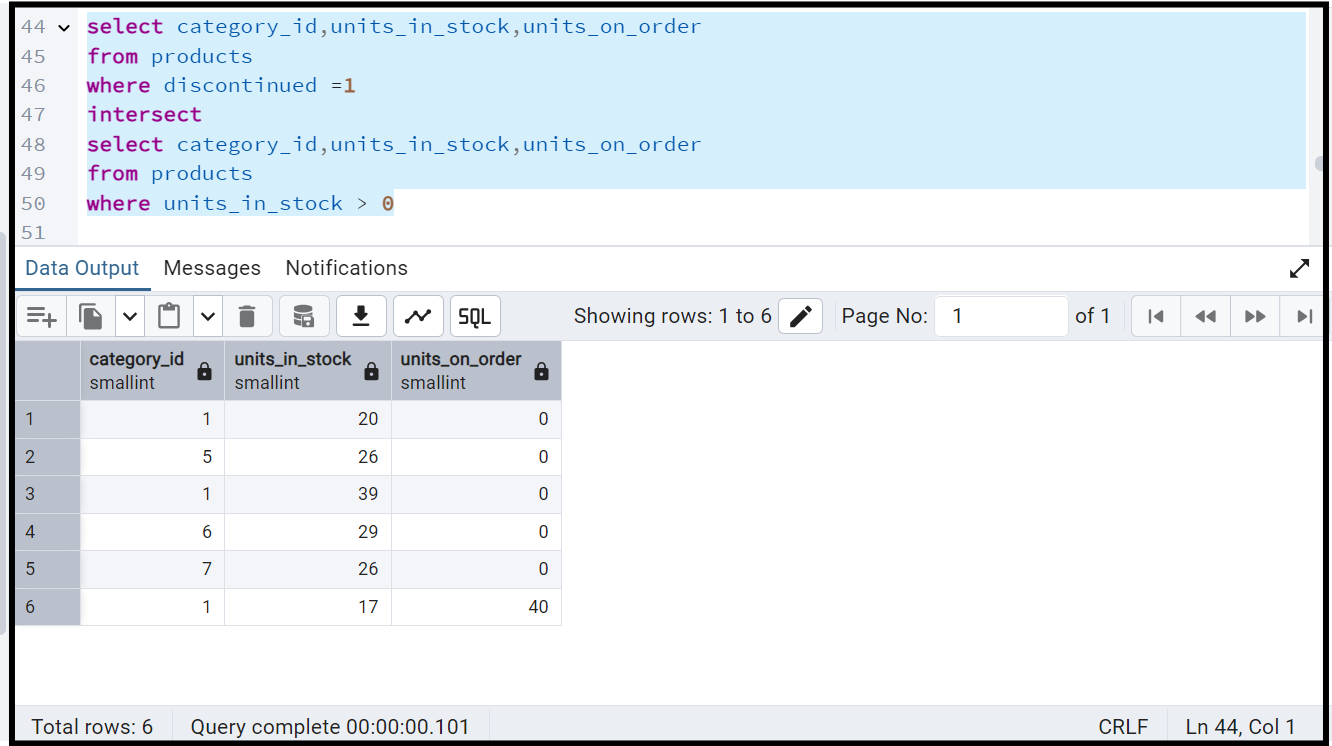
where discontinued =1

intersect

select category\_id,units\_in\_stock,units\_on\_order

from products

where units\_in\_stock > 0



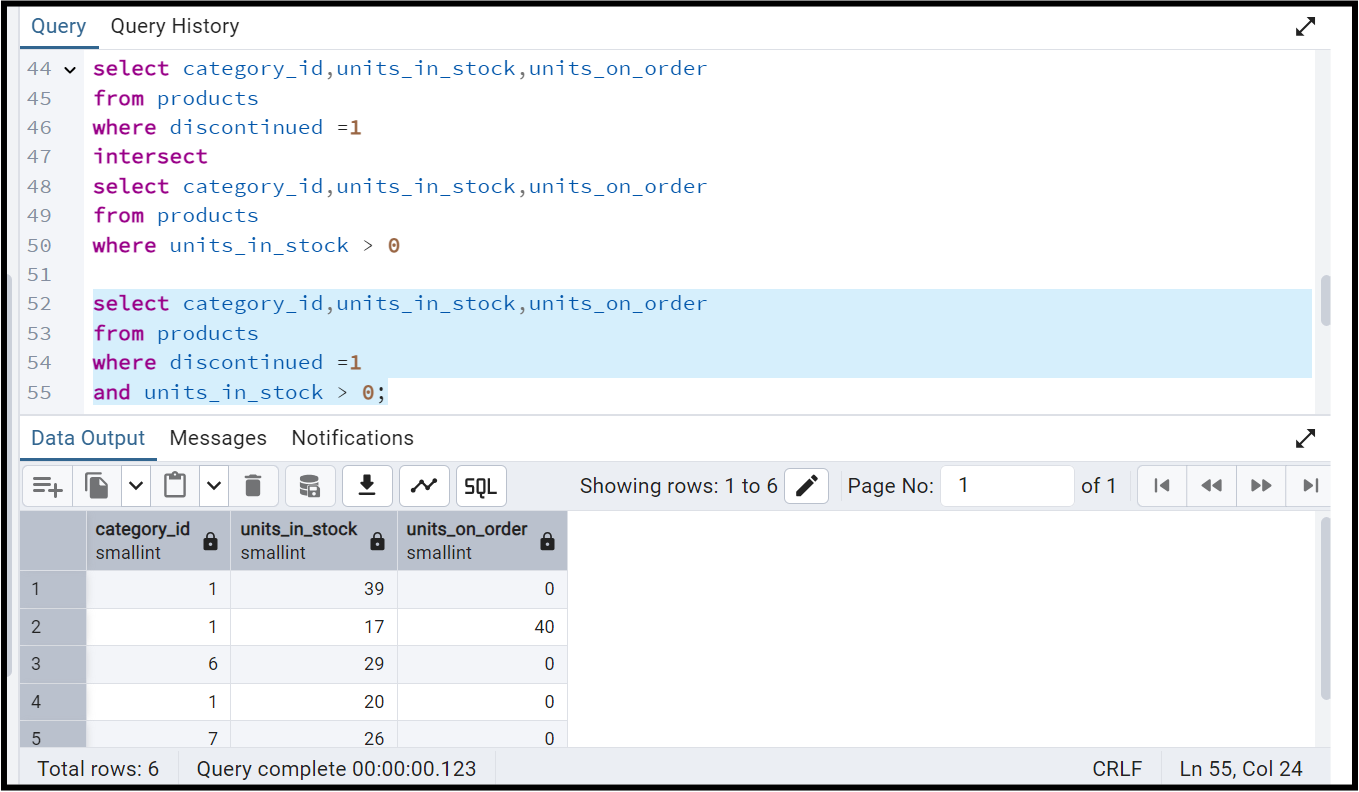
**Query-2**

select category\_id,units\_in\_stock,units\_on\_order

from products

where discontinued =1

and units\_in\_stock > 0;



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

**Query:**

select distinct order\_id

from order\_details

except

select distinct order\_id

from order\_details

where discount > 0;

