Day 5 SQL 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

EXTRACT(YEAR FROM order\_date) as year,

EXTRACT(QUARTER FROM order\_date) as quarter,

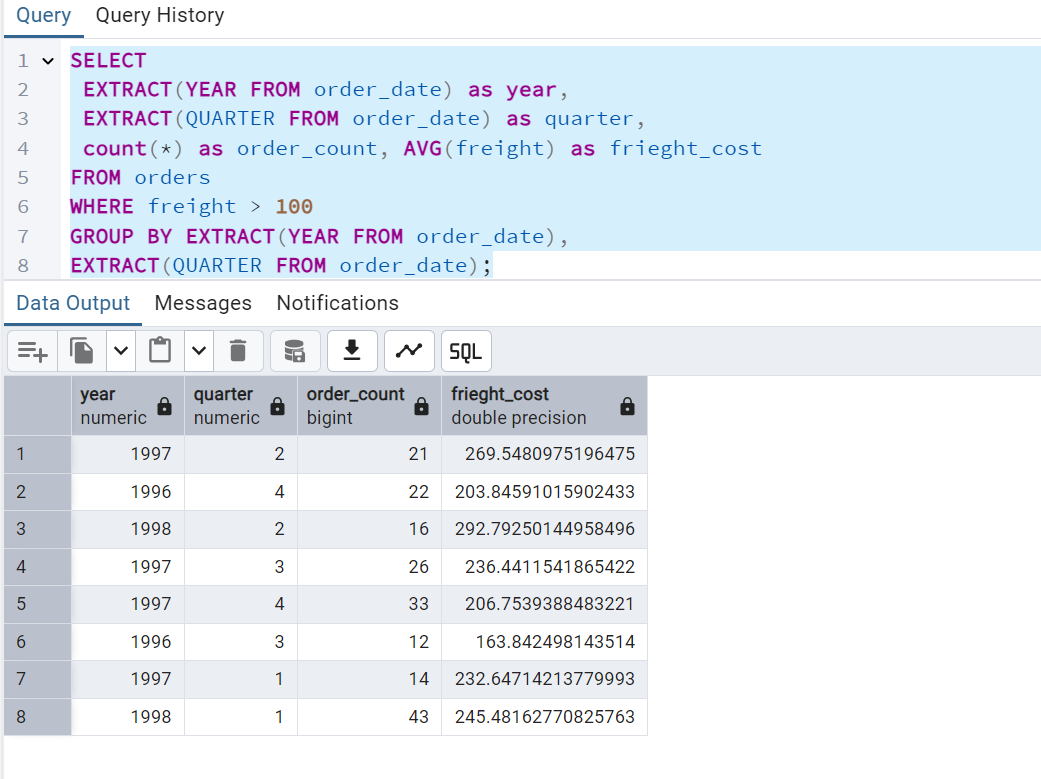
count(\*) as order\_count, AVG(freight) as frieght\_cost

FROM orders

WHERE freight > 100

GROUP BY EXTRACT(YEAR FROM order\_date),

EXTRACT(QUARTER FROM order\_date);



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(ship\_region) as no\_of\_orders,

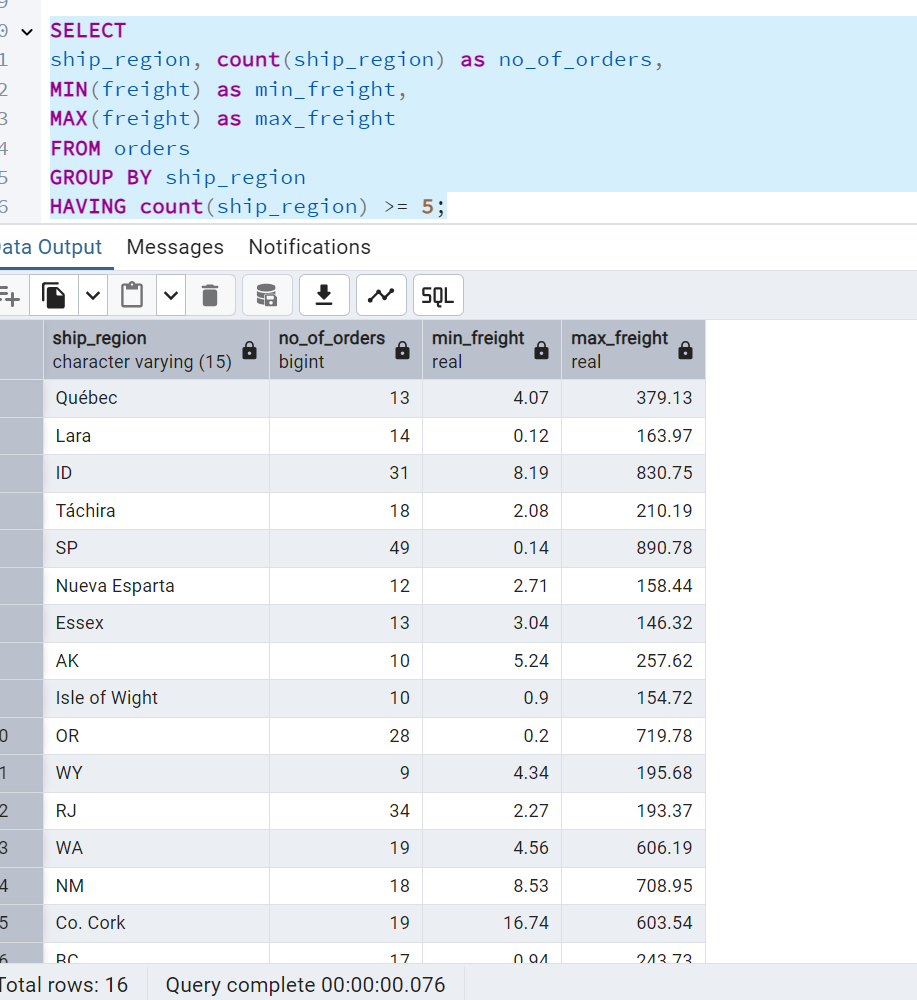
MIN(freight) as min\_freight,

MAX(freight) as max\_freight

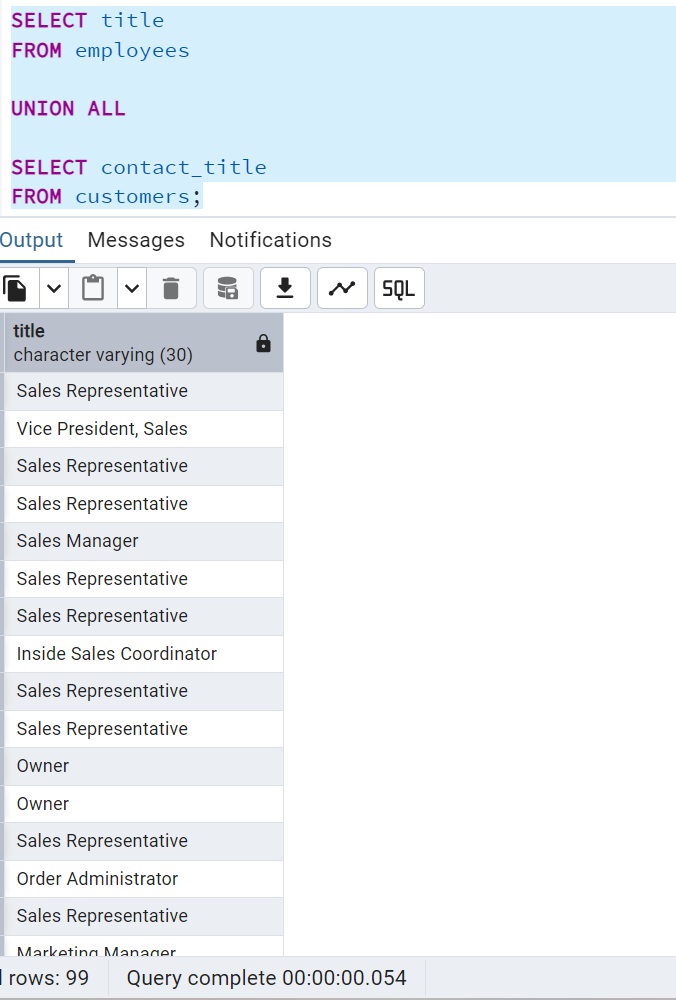
FROM orders

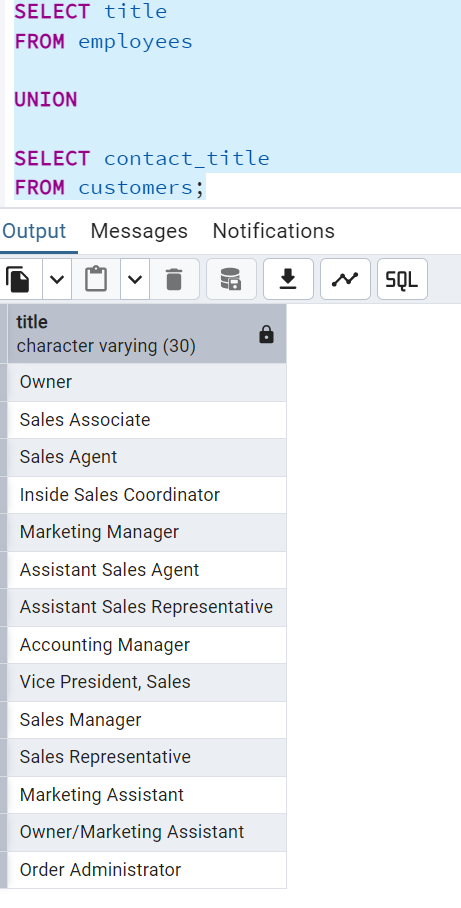
GROUP BY ship\_region

HAVING count(ship\_region) >= 5;



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





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 categories

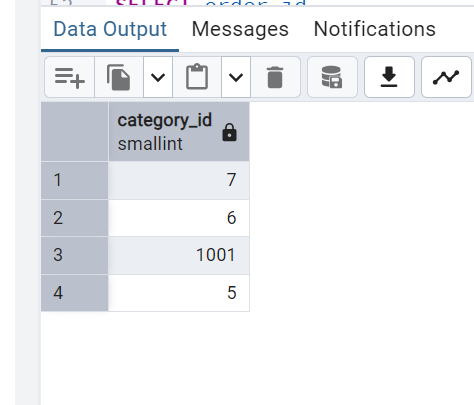
INTERSECT

SELECT category\_id

FROM products

WHERE units\_in\_stock > 0

AND discontinued = 1;



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

SELECT order\_id

FROM orders

EXCEPT

SELECT order\_id

FROM order\_details

WHERE discount = 0;

