**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

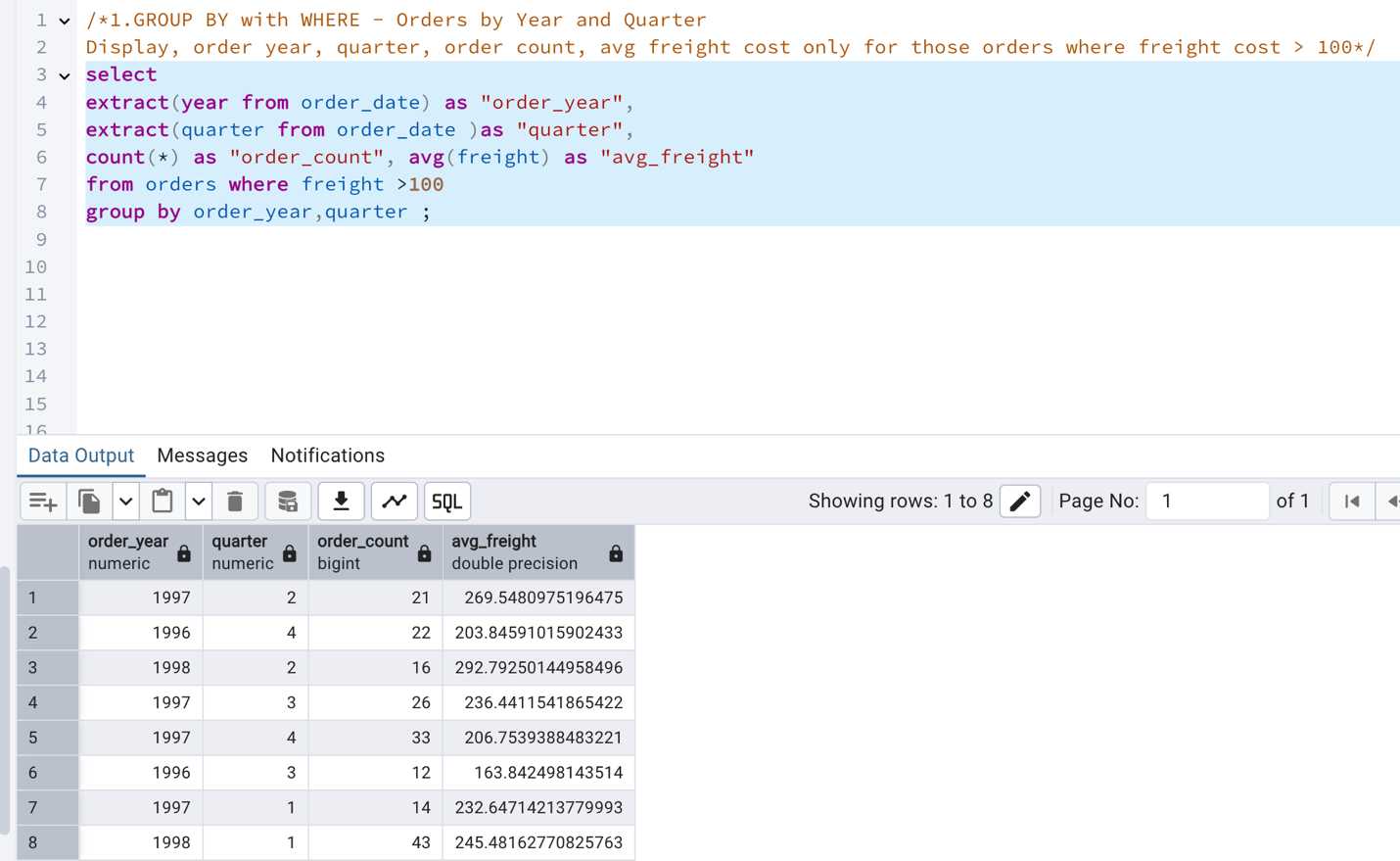
extract(year from order\_date) as "order\_year",

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

count(\*) as "order\_count", avg(freight) as "avg\_freight"

from orders where freight >100

group by order\_year,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(\*),

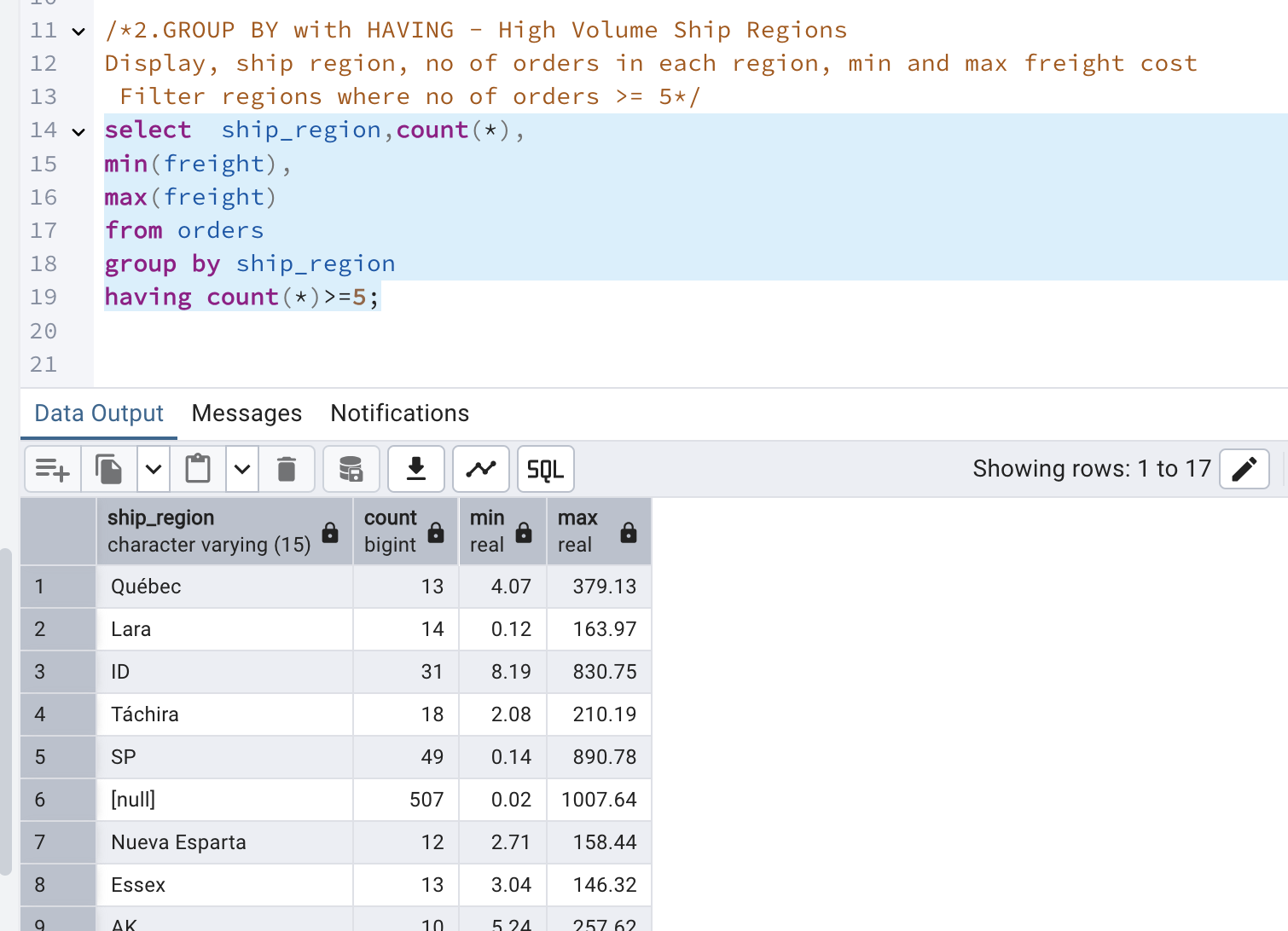
min(freight),

max(freight)

from orders

group by ship\_region

having count(\*)>=5;

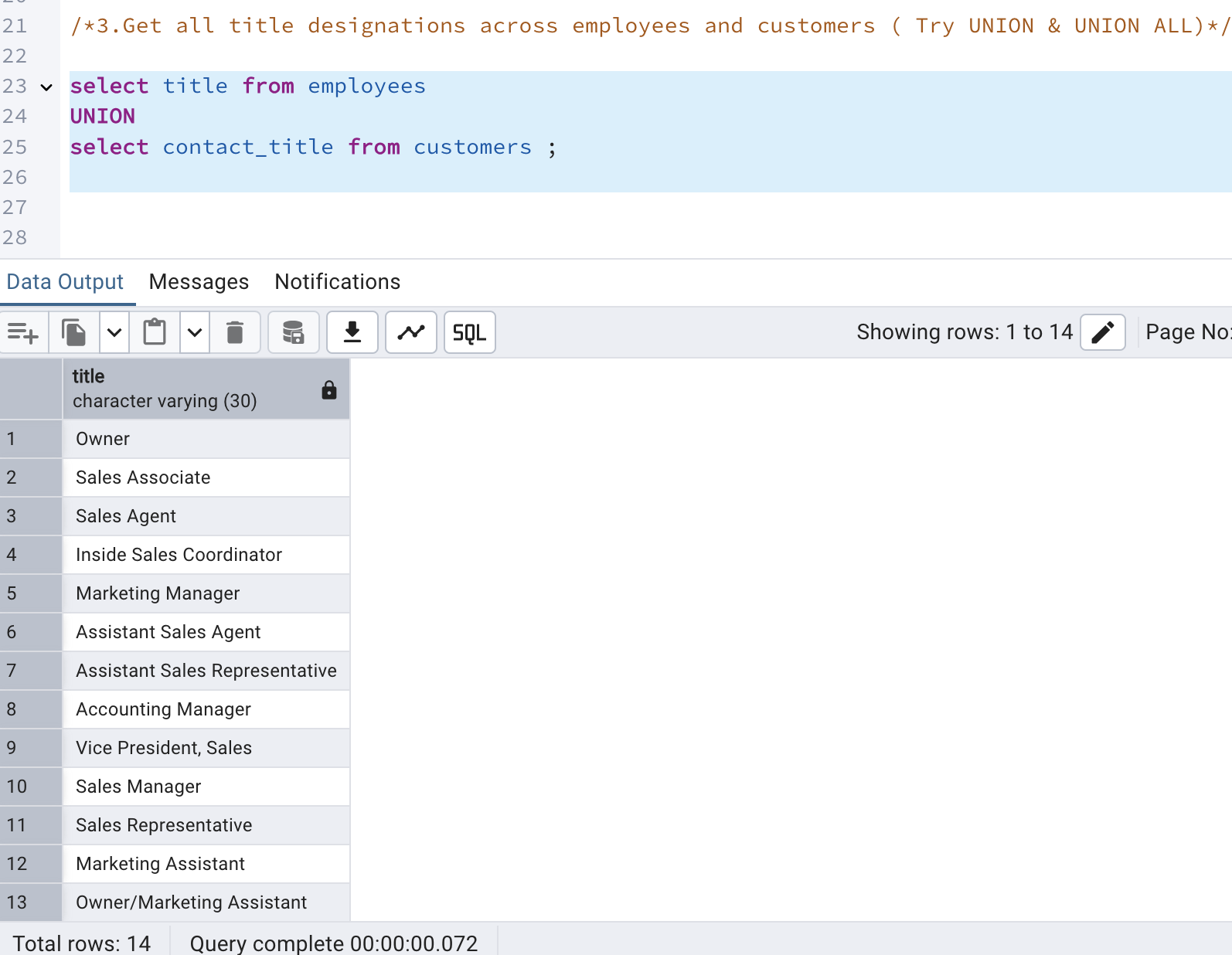


3.      Get all title designations across employees and customers ( Try UNION & UNION ALL)

select title from employees

UNION

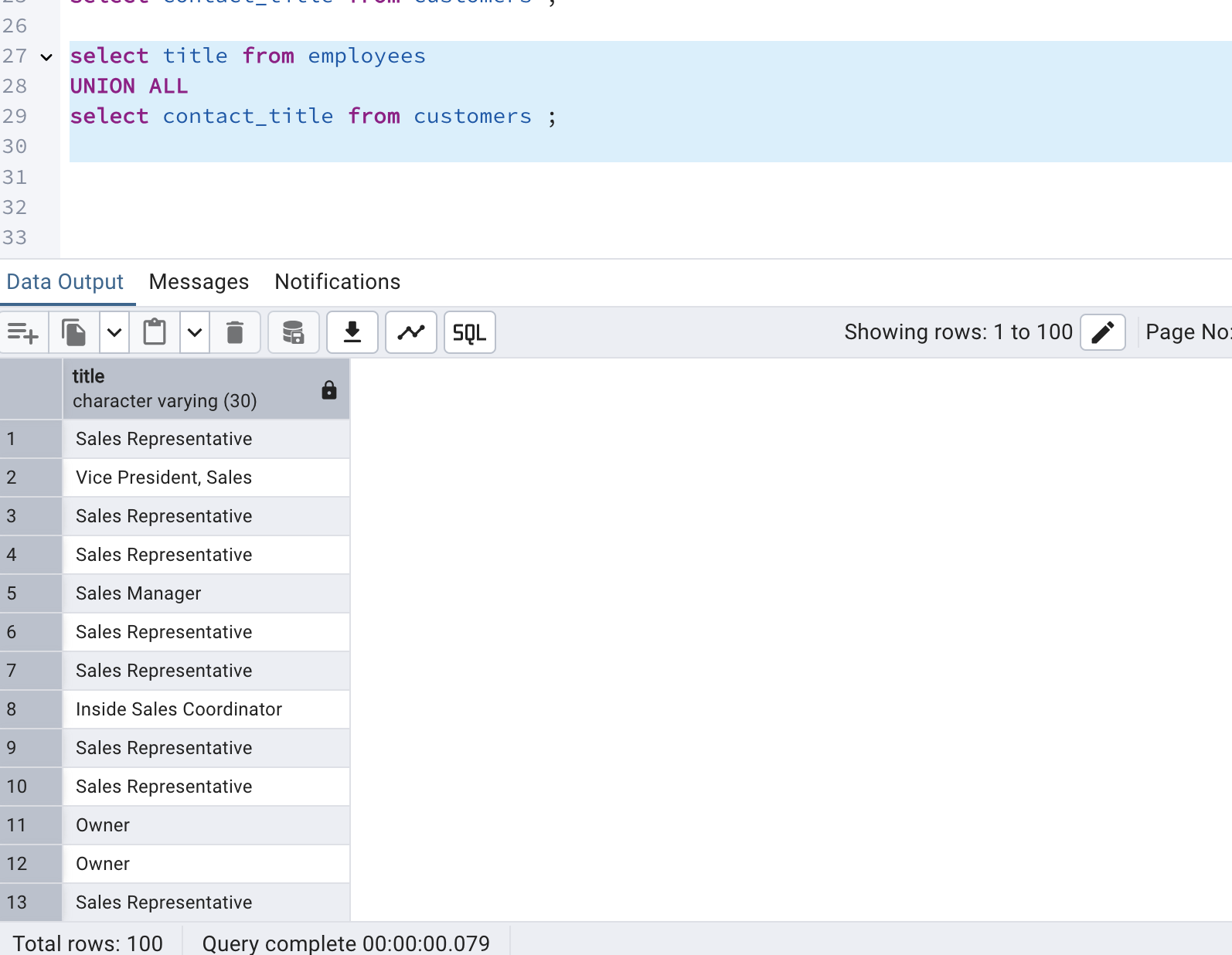
select contact\_title from customers ;



select title from employees

UNION ALL

select contact\_title from customers ;



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

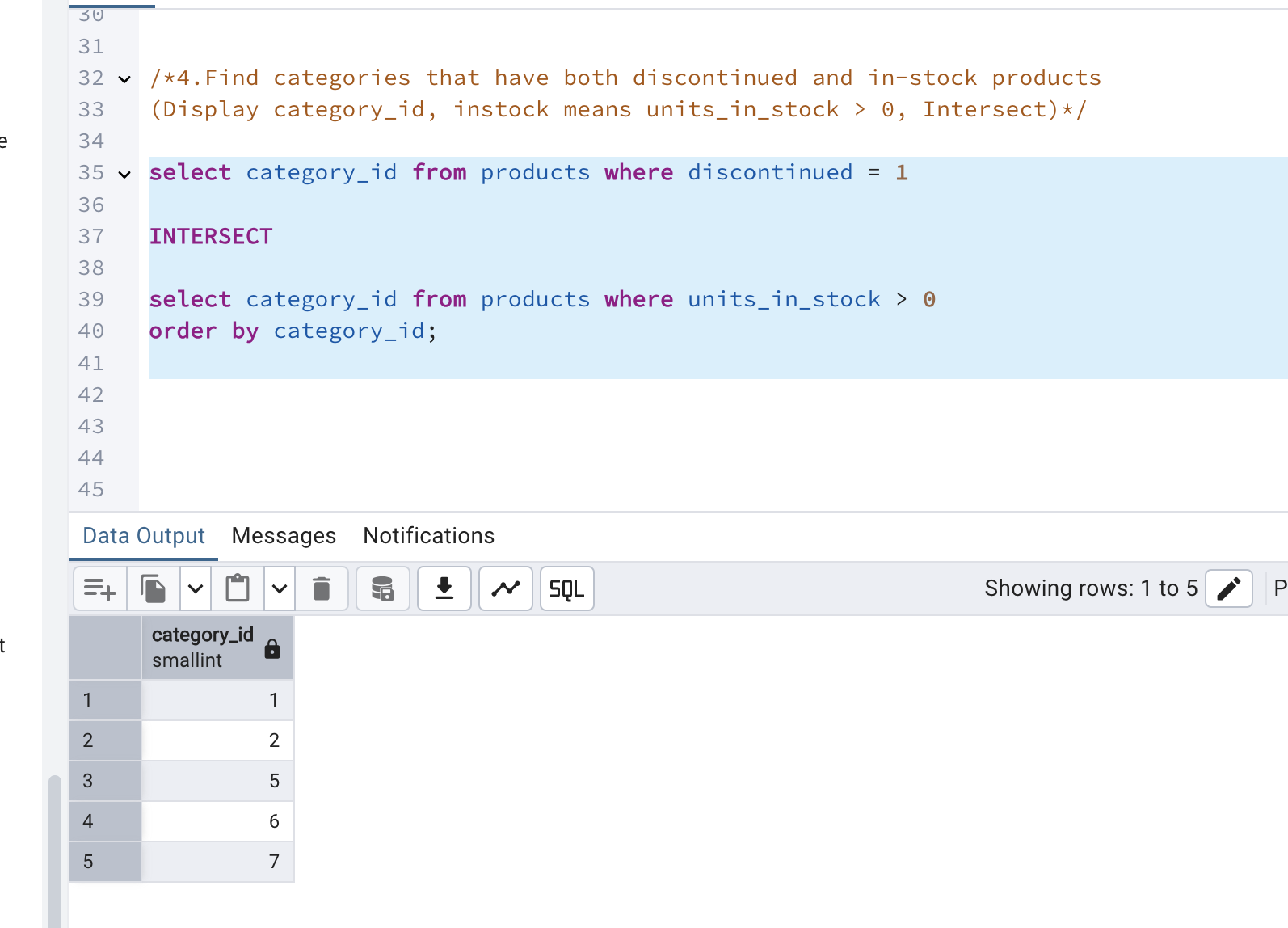
(Display category\_id, instock means units\_in\_stock > 0, Intersect)

select category\_id from products where discontinued = 1

INTERSECT

select category\_id from products where units\_in\_stock > 0

order by category\_id;



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;

