**Day 7**

1.     Rank employees by their total sales

(Total sales = Total no of orders handled, JOIN employees and orders table)

select e.employee\_id,

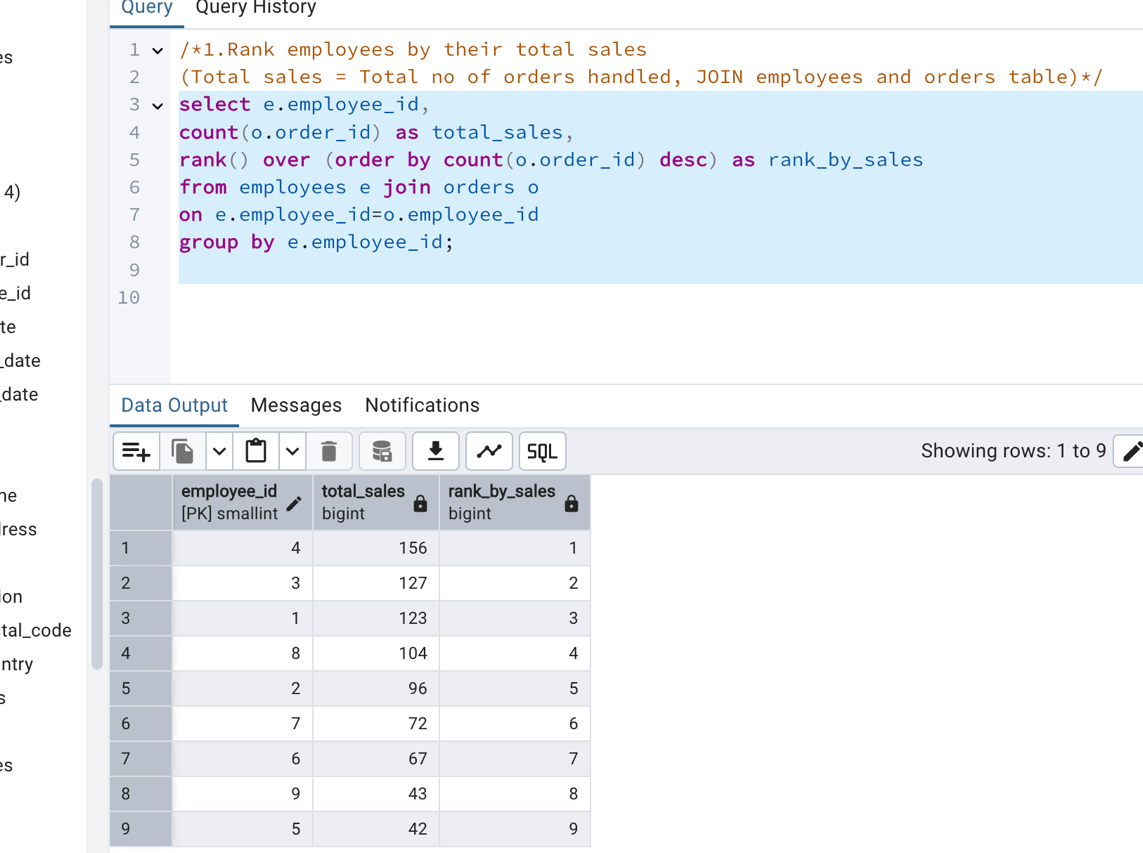
count(o.order\_id) as total\_sales,

rank() over (order by count(o.order\_id) desc) as rank\_by\_sales

from employees e join orders o

on e.employee\_id=o.employee\_id

group by e.employee\_id;



2.      Compare current order's freight with previous and next order for each customer.

(Display order\_id,  customer\_id,  order\_date,  freight,

Use lead(freight) and lag(freight).

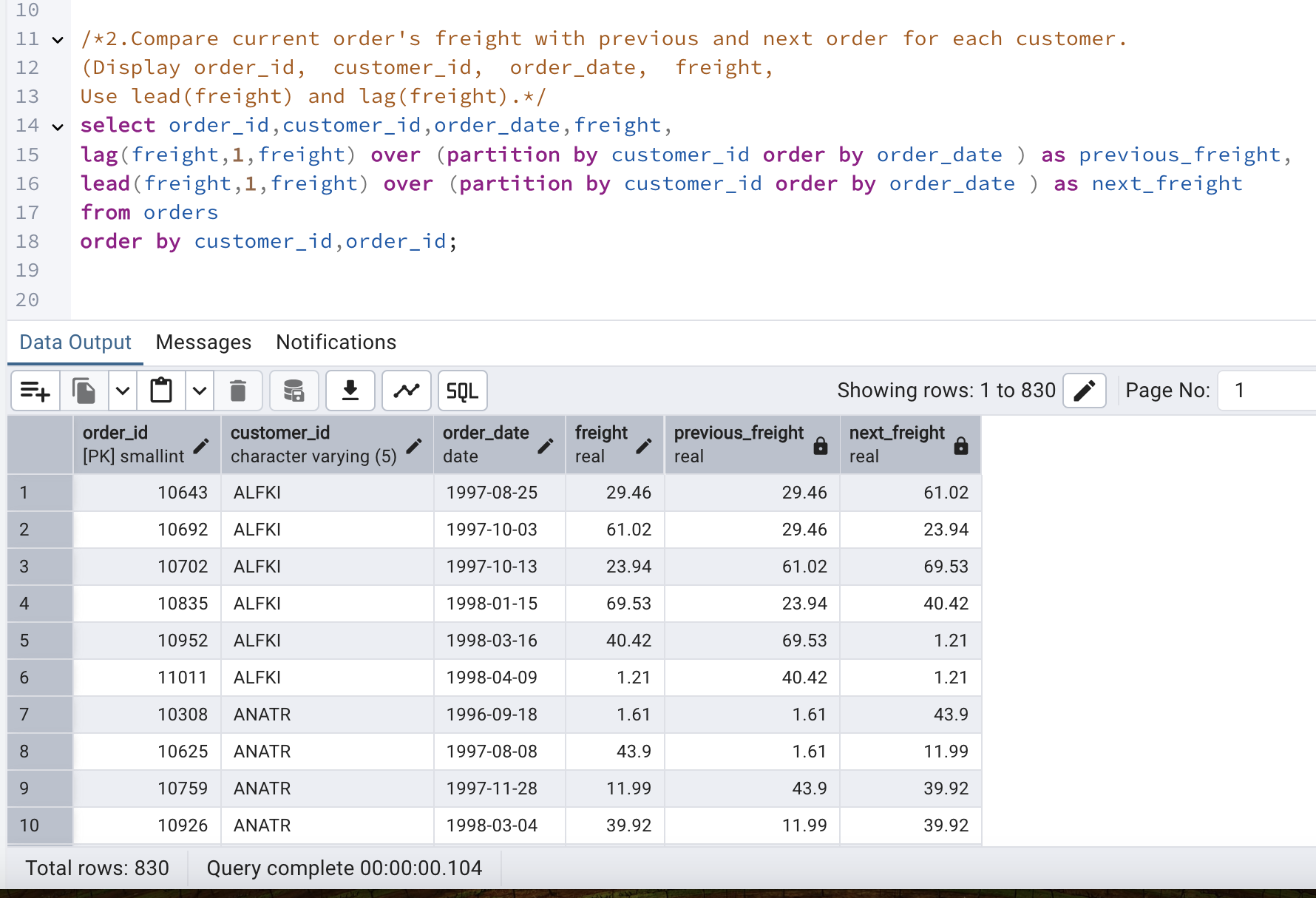
select order\_id,customer\_id,order\_date,freight,

lag(freight,1,freight) over (partition by customer\_id order by order\_date ) as previous\_freight,

lead(freight,1,freight) over (partition by customer\_id order by order\_date ) as next\_freight

from orders

order by customer\_id,order\_id;



3.     Show products and their price categories, product count in each category, avg price:

         (HINT:

·  Create a CTE which should have price\_category definition:

         WHEN unit\_price < 20 THEN 'Low Price'

            WHEN unit\_price < 50 THEN 'Medium Price'

            ELSE 'High Price'

·  In the main query display: price\_category,  product\_count in each price\_category,  ROUND(AVG(unit\_price)::numeric, 2) as avg\_price)

