**ASSIGNMENT - 7**

**-- 1.Rank employees by their total sales**

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

SELECT

e.employee\_id,

CONCAT(e.first\_name, ' ', e.last\_name) AS employee\_name,

COUNT(o.order\_id) AS total\_orders,

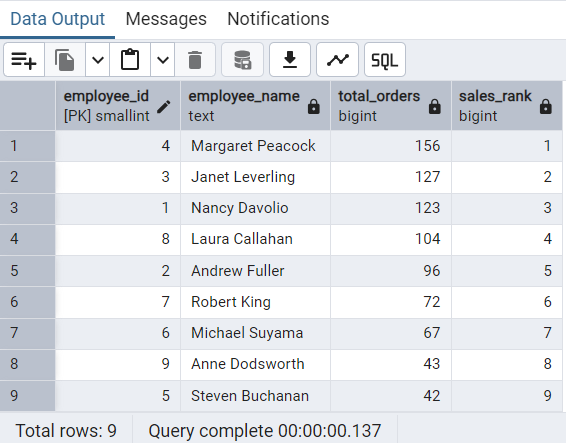
RANK() OVER (ORDER BY COUNT(o.order\_id) DESC) AS sales\_rank

FROM employees e

JOIN orders o ON e.employee\_id = o.employee\_id

GROUP BY e.employee\_id, e.first\_name, e.last\_name

ORDER BY sales\_rank;



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**-- 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,

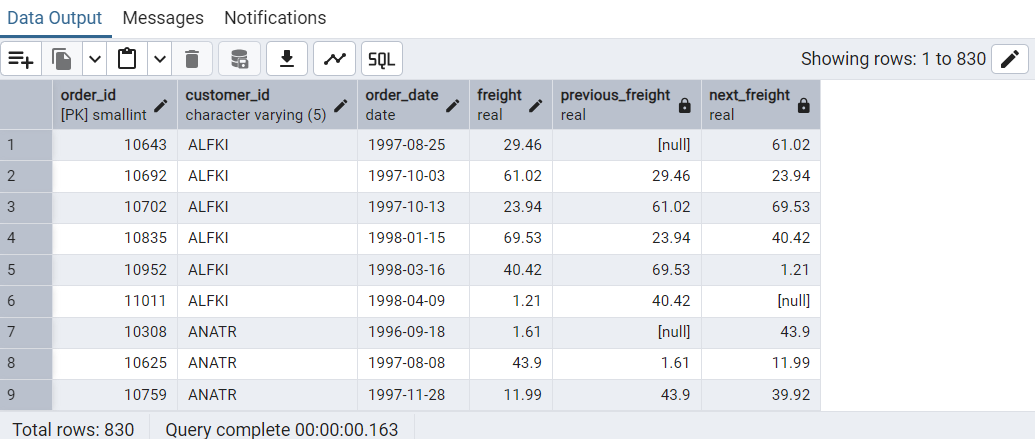
order\_date,freight,

LAG(freight) OVER (PARTITION BY customer\_id ORDER BY order\_date) AS previous\_freight,

LEAD(freight) OVER (PARTITION BY customer\_id ORDER BY order\_date) AS next\_freight

FROM orders

ORDER BY customer\_id, order\_date;



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**-- 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)\*/**

WITH cte\_price AS (

SELECT

product\_id,product\_name, unit\_price,

CASE

WHEN unit\_price < 20 THEN 'Low Price'

WHEN unit\_price < 50 THEN 'Medium Price'

ELSE 'High Price'

END AS price\_category

FROM

products

)

SELECT

price\_category,

COUNT(\*) AS product\_count,

ROUND(AVG(unit\_price)::numeric, 2) AS avg\_price

FROM cte\_price

GROUP BY price\_category

ORDER BY avg\_price;

