--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\_COST

FROM ORDERS

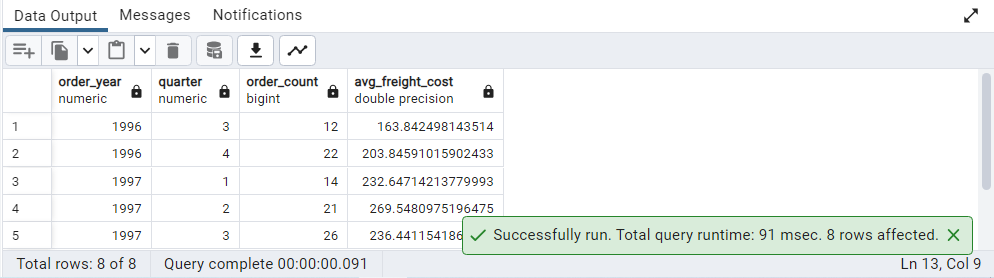
WHERE FREIGHT > 100

GROUP BY ORDER\_YEAR,

QUARTER

ORDER 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(\*) AS NO\_OF\_ORDERS,

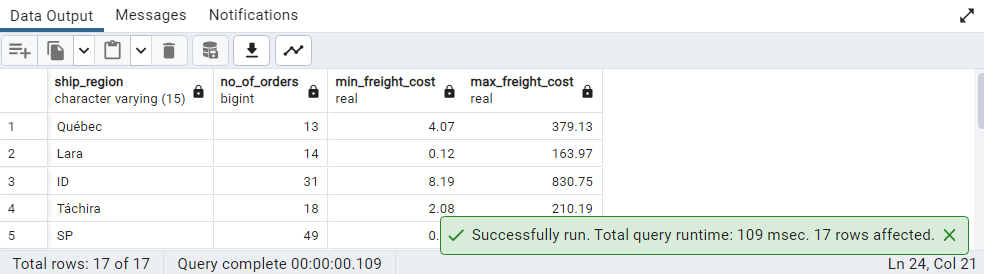
MIN (FREIGHT) AS MIN\_FREIGHT\_COST,

MAX (FREIGHT) AS MAX\_FREIGHT\_COST

FROM ORDERS

GROUP BY SHIP\_REGION

HAVING COUNT(\*) >= 5



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

--UNION

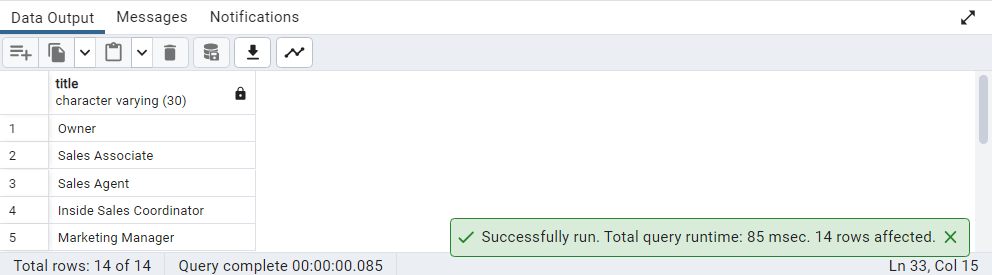
SELECT TITLE

FROM EMPLOYEES

UNION

SELECT CONTACT\_TITLE

FROM CUSTOMERS



--UNION ALL

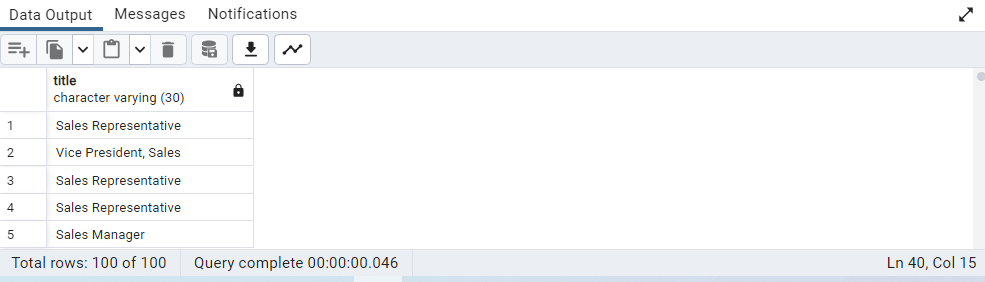
SELECT TITLE

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,

UNITS\_IN\_STOCK AS IN\_STOCK,

DISCONTINUED

FROM PRODUCTS

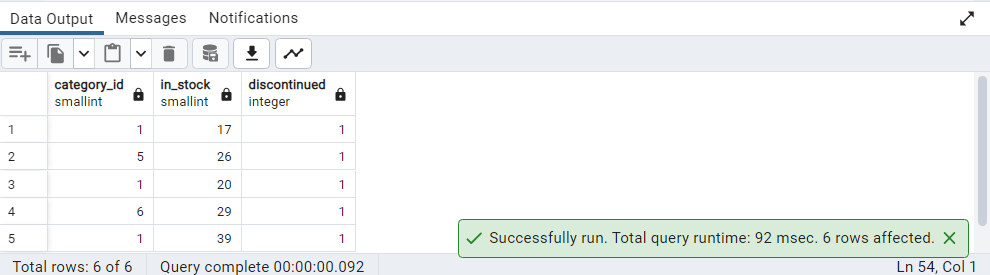
WHERE UNITS\_IN\_STOCK > 0 INTERSECT

SELECT CATEGORY\_ID,

UNITS\_IN\_STOCK AS IN\_STOCK,

DISCONTINUED

FROM PRODUCTS WHERE DISCONTINUED = 1



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

SELECT DISTINCT ORDER\_ID

FROM ORDER\_DETAILS

EXCEPT

SELECT DISTINCT ORDER\_ID

FROM ORDER\_DETAILS

WHERE DISCOUNT > 0

