**Day 5 SQL Bootcamp 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**

**Query:**

**SELECT**

**YEAR(order\_date) AS order\_year,**

**QUARTER(order\_date) AS order\_quarter,**

**COUNT(order\_id) AS order\_count,**

**AVG(freight) AS avg\_freight\_cost**

**FROM**

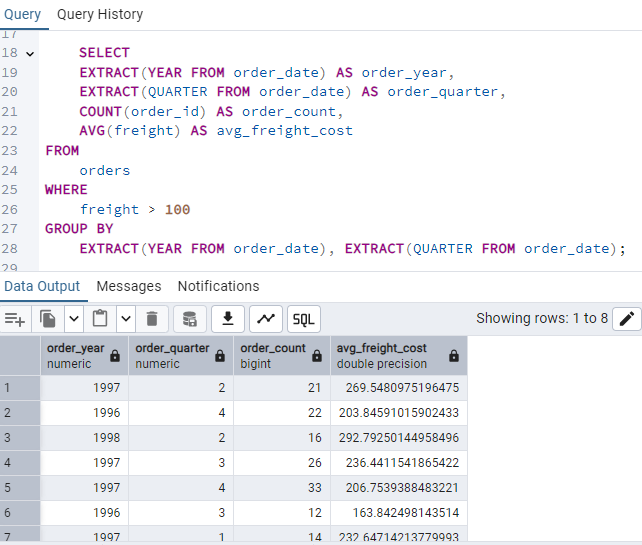
**orders**

**WHERE**

**freight > 100**

**GROUP BY**

**YEAR(order\_date), QUARTER(order\_date);**

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**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**

**Query:**

**SELECT**

**ship\_region,**

**COUNT(order\_id) AS no\_of\_orders,**

**MIN(freight) AS min\_freight\_cost,**

**MAX(freight) AS max\_freight\_cost**

**FROM**

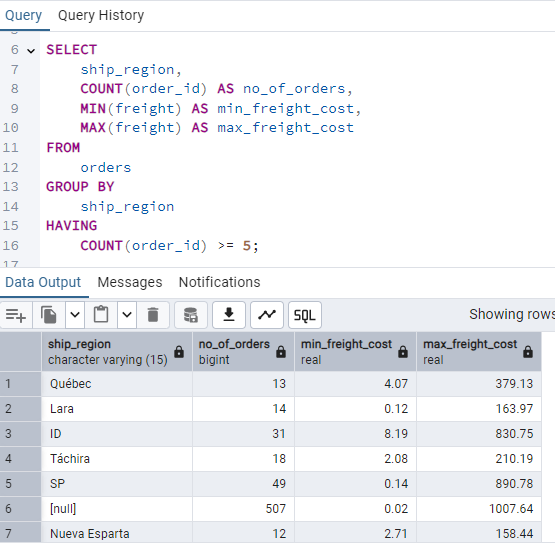
**orders**

**GROUP BY**

**ship\_region**

**HAVING**

**COUNT(order\_id) >= 5;**

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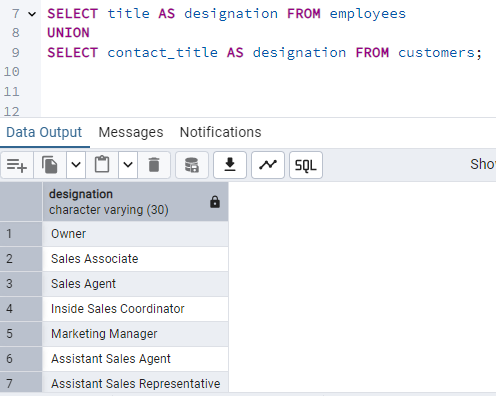
**3.Get all title designations across employees and customers ( Try UNION & UNION ALL)**

**Query:**

**SELECT title AS designation FROM employees**

**UNION**

**SELECT contact\_title AS designation FROM customers;**

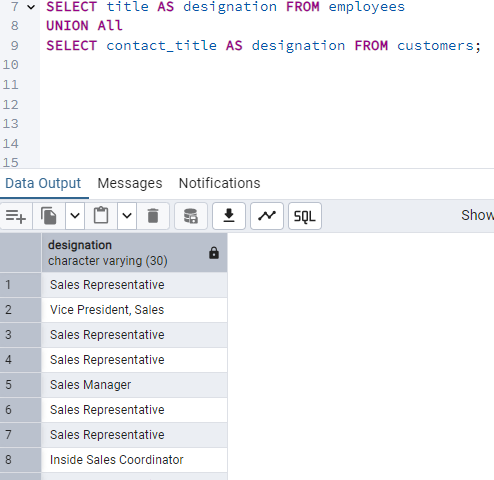
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**Query:**

**SELECT title AS designation FROM employees**

**UNION All**

**SELECT contact\_title AS designation FROM customers;**

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

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

**Query:**

**SELECT category\_id**

**FROM products**

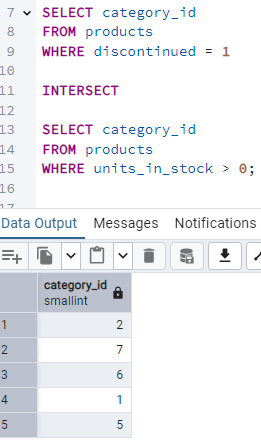
**WHERE discontinued = 1**

**INTERSECT**

**SELECT category\_id**

**FROM products**

**WHERE units\_in\_stock > 0;**

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

**Query:**

**SELECT order\_id**

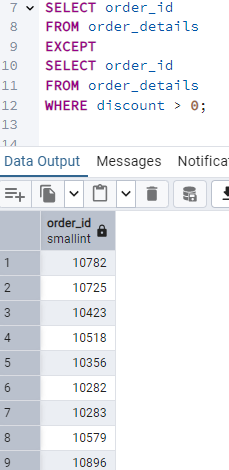
**FROM order\_details**

**EXCEPT**

**SELECT order\_id**

**FROM order\_details**

**WHERE discount > 0;**

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