DAY 6 SQL Assignment

PostgreSQL

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1. Categorize products by stock status

(Display product_name, a new column stock_status whose values are based on below condition units_in_stock = 0 is 'Out of Stock' units_in_stock < 20 is 'Low Stock')

QUERY:

SELECT product_name,

CASE

WHEN units_in_stock = 0 THEN 'Out of Stock'

WHEN units_in_stock < 20 THEN 'Low Stock'

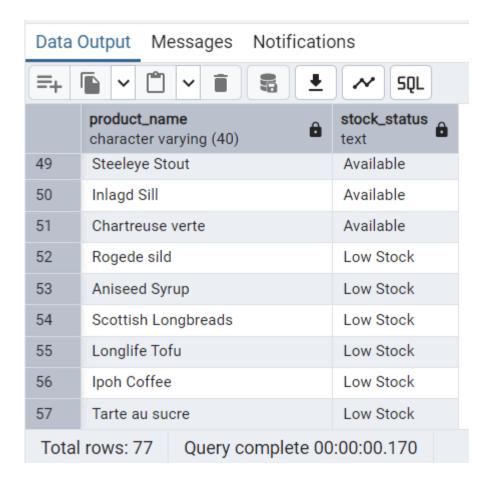
ELSE 'Available'

END AS stock_status

FROM products

ORDER BY stock_status;

OUTPUT:



2. Find All Products in Beverages Category

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(Subquery, Display product_name,unitprice)
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QUERY:

SELECT product_name, unit_price

FROM products

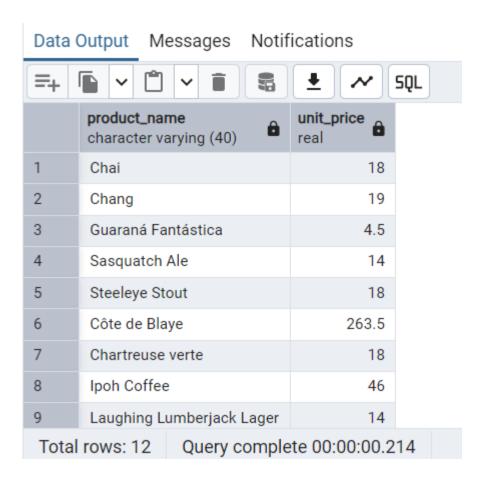
WHERE category_id = (

SELECT category_id

FROM categories

WHERE category_name = 'Beverages');

OUTPUT:



3. Find Orders by Employee with Most Sales

(Display order_id, order_date, freight, employee_id.

Employee with Most Sales=Get the total no.of of orders for each employee then order by DESC and limit 1. Use Subquery)

QUERY:

SELECT order_id, order_date, freight, employee_id

FROM orders

WHERE employee_id = (

SELECT employee_id

FROM orders

GROUP BY employee_id

ORDER BY COUNT (*) DESC

LIMIT 1);

OUTPUT:

Data Output Messages Notifications							
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	order_id [PK] smallint	<i>j</i>	order_date /	freight real	employee_id smallint	j	
1	102	50	1996-07-08	65.83		4	
2	102	52	1996-07-09	51.3		4	
3	102	57	1996-07-16	81.91		4	
4	102	59	1996-07-18	3.25		4	
5	102	60	1996-07-19	55.09		4	
6	102	61	1996-07-19	3.05		4	
7	102	67	1996-07-29	208.58		4	
8	102	81	1996-08-14	2.94		4	
9	102	82	1996-08-15	12.69		4	
Total	rows: 156	Q	uery complete	00:00:00.3	339		

4. Find orders where for country!= 'USA' with freight costs higher than any order from USA. (Subquery, Try with ANY, ALL operators)

QUERY:

SELECT order_id, order_date, freight, ship_country

FROM orders

WHERE ship_country != 'USA' AND freight > ALL (

SELECT freight

FROM orders

WHERE ship_country = 'USA');

```
SELECT order_id, order_date, freight, ship_country
FROM orders

WHERE ship_country != 'USA' AND freight > ANY (
    SELECT freight
    FROM orders

WHERE ship_country = 'USA');

OUTPUT:
```

Data Output Messages Notifications SQL **=**+ ship_country order_id order_date freight [PK] smallint date character varying (15) real 1 10372 1996-12-04 890.78 Brazil 2 10540 1997-05-19 1007.64 Germany

Data Output Messages Notifications



Total rows: 703 Query complete 00:00:00.192