**Q1) 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 \* from products --#product\_id

select product\_name,

case

when units\_in\_stock = 0 then 'Out of Stock'

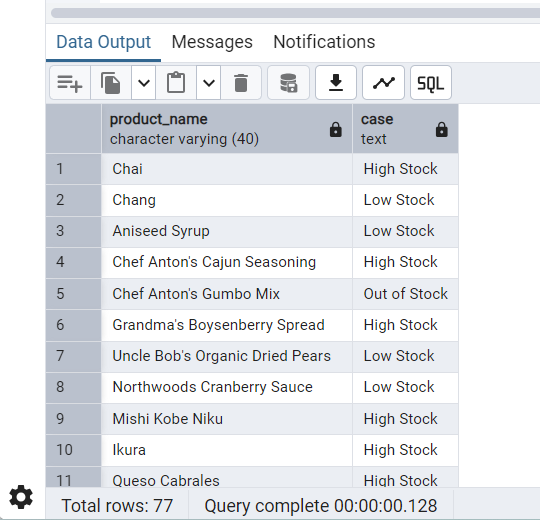
when units\_in\_stock < 20 then 'Low Stock'

else 'High Stock'

end

from products

**Output:**

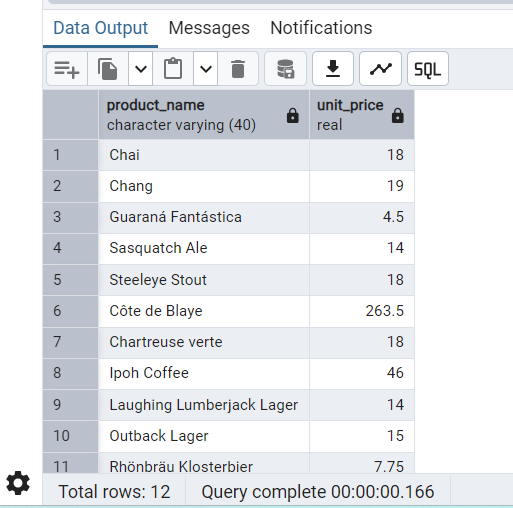


**Q2) Find All Products in Beverages Category (Subquery, Display product\_name,unitprice)**

**Query:**

select product\_name,unit\_price from products where category\_id = ALL(select category\_id from categories where category\_name = 'Beverages')

**Output:**



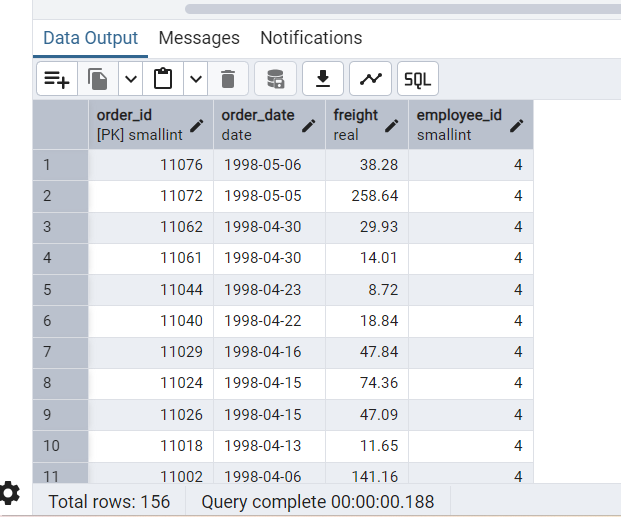
**Q3) Find Orders by Employee with Most Sales**

**---(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 o.order\_id, o.order\_date,o.freight, o.employee\_id from orders o where o.employee\_id = (select employee\_id from orders group by employee\_id order by count(\*) DESC limit 1 ) order by o.order\_date DESC

**Output:**



**Q4) Find orders where for country!= ‘USA’ with freight costs higher than any order from USA. (Subquery, Try with ANY, ALL operators)---**

**Query:**

select \* from orders--##order\_id, ship\_country

select \* from order\_details -- #

select order\_id,ship\_country,freight from orders where country != 'USA' and freight >

**---ANY Operator**

SELECT order\_id,freight FROM orders WHERE ship\_country !='USA' AND freight > ANY(

SELECT freight

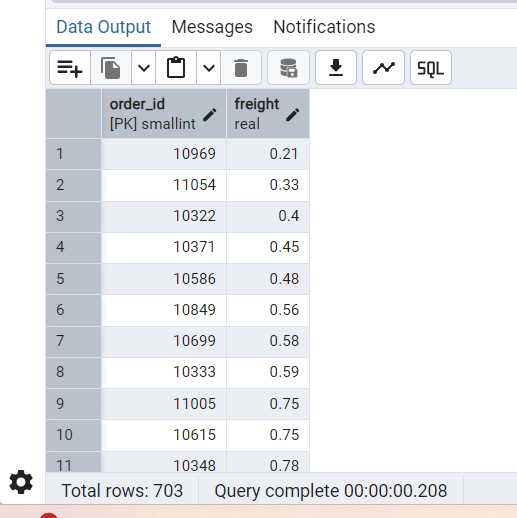
FROM orders

WHERE ship\_country = 'USA'

)

ORDER BY freight;

**Output:**



**--ALL Operator**

SELECT order\_id, freight FROM orders WHERE ship\_country != 'USA' AND freight > ALL (

SELECT freight

FROM orders

WHERE ship\_country = 'USA'

)

ORDER BY freight;

**Output:**

