YAMUNA DAY6 ASSIGNMENT

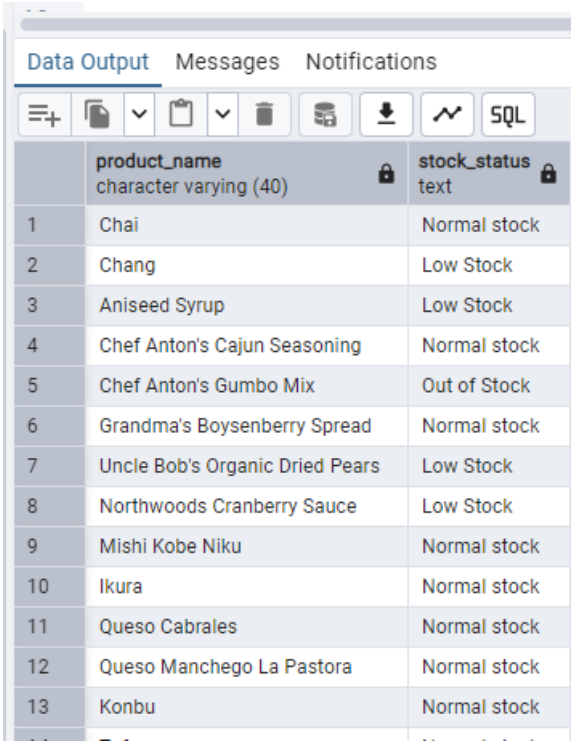
1. Categorize products by stock status

(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')

```
select product_name,
case
        when units_in_stock = 0 then 'Out of Stock'
        when units_in_stock < 20 then 'Low Stock'
        else 'Normal stock'
end as stock_status
from products;
```



Data Output | Messages | Notifications

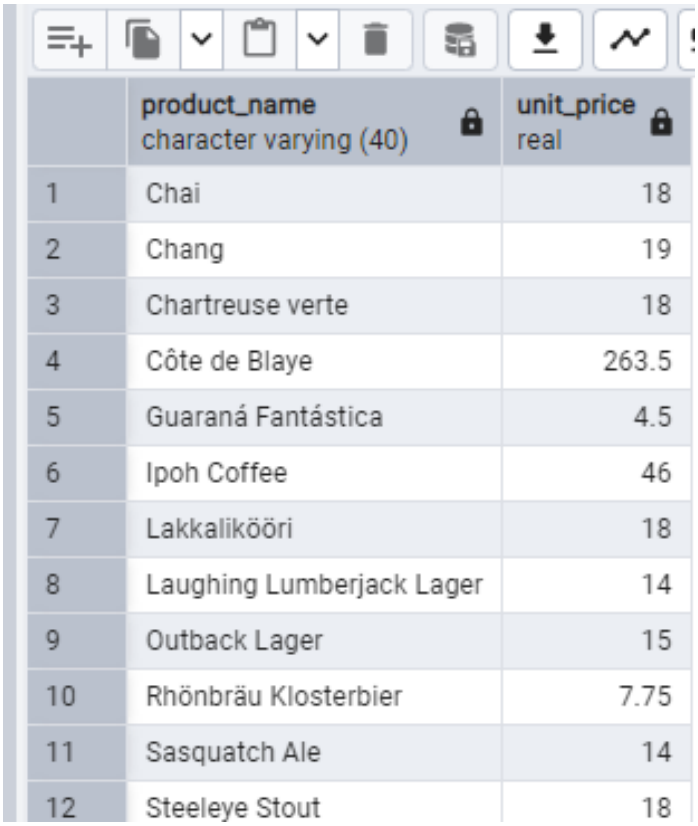
	product_name character varying (40)	stock_status text
1	Chai	Normal stock
2	Chang	Low Stock
3	Aniseed Syrup	Low Stock
4	Chef Anton's Cajun Seasoning	Normal stock
5	Chef Anton's Gumbo Mix	Out of Stock
6	Grandma's Boysenberry Spread	Normal stock
7	Uncle Bob's Organic Dried Pears	Low Stock
8	Northwoods Cranberry Sauce	Low Stock
9	Mishi Kobe Niku	Normal stock
10	Ikura	Normal stock
11	Queso Cabrales	Normal stock
12	Queso Manchego La Pastora	Normal stock
13	Konbu	Normal stock

2. Find All Products in Beverages Category

(Subquery, Display product_name,unitprice)

```
select product_name, unit_price
from products
where category_id = (select category_id
                     from categories
                     where category_name = 'Beverages'

                     )
order by 1;
```



	product_name character varying (40)	unit_price real
1	Chai	18
2	Chang	19
3	Chartreuse verte	18
4	Côte de Blaye	263.5
5	Guaraná Fantástica	4.5
6	Ipoh Coffee	46
7	Lakkalikööri	18
8	Laughing Lumberjack Lager	14
9	Outback Lager	15
10	Rhönbräu Klosterbier	7.75
11	Sasquatch Ale	14
12	Steeleye Stout	18

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)

```
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(order_id) desc
                     limit 1
                     )
```

	order_id [PK] smallint	order_date date	freight real	employee_id smallint
1	10250	1996-07-08	65.83	4
2	10252	1996-07-09	51.3	4
3	10257	1996-07-16	81.91	4
4	10259	1996-07-18	3.25	4
5	10260	1996-07-19	55.09	4
6	10261	1996-07-19	3.05	4
7	10267	1996-07-29	208.58	4
8	10281	1996-08-14	2.94	4
9	10282	1996-08-15	12.69	4
10	10284	1996-08-19	76.56	4
11	10288	1996-08-23	7.45	4
12	10294	1996-08-30	147.26	4
13	10299	1996-09-06	29.76	4
14	10302	1996-09-10	6.27	4

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

```
select order_id, ship_country, freight

from orders

where ship_country != 'USA'

and freight > any(select freight from orders where ship_country = 'USA' order by freight desc)

order by freight desc;
```

	order_id [PK] smallint	order_date date	freight real	employee_id smallint
1	10250	1996-07-08	65.83	4
2	10252	1996-07-09	51.3	4
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12	10294	1996-08-30	147.26	4
13	10299	1996-09-06	29.76	4
14	10302	1996-09-10	6.27	4

```
select order_id, ship_country, freight
from orders
where ship_country != 'USA'
and freight > all(select freight from orders where ship_country = 'USA')
order by freight desc;
```

	order_id [PK] smallint	ship_country character varying (15)	freight real
1	10540	Germany	1007.64
2	10372	Brazil	890.78