Day 6 Assignment SQL

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')</pre>

SELECT product_name,

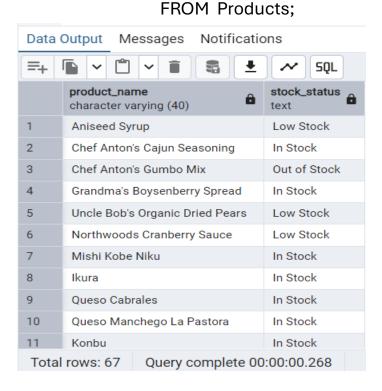
CASE

WHEN units_in_stock = 0 THEN 'Out of Stock'

WHEN units_in_stock < 20 THEN 'Low Stock'

ELSE 'In Stock'

END AS stock_status

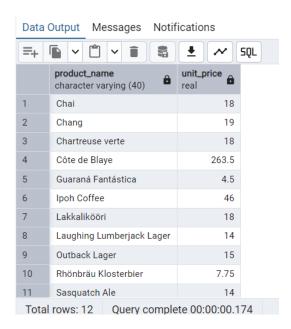


2. Find All Products in Beverages Category

(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;
           Messages Notifications
Data Output
=+
                                    SQL
                        unit_price
     product_name
     character varying (40)
                        real
     Midnight Mango Fizz
                               19
                SELECT product_name, unit_price
                FROM
```

```
SELECT product_name, unit_price
FROM
Products
WHERE
category_id = (SELECT category_id FROM Categories
WHERE category_name = 'Drinks')
order by 1;
```



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
(SELECT
employee_id,
```

COUNT(order_id) AS total_orders
FROM
Orders
GROUP BY
employee_id
ORDER BY
total_orders DESC
LIMIT 1) AS subquery

);

Data Output Messages Notifications						
=+	<u> </u>		<u> </u>	5QL		
	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		
Total rows: 156 Query complete 00:00:00.204						

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

OR

```
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;

Data (Output Messa	ges Notifications			
= +	~ <u> </u>		SQL		
	order_id [PK] smallint	ship_country character varying (15)	freight real		
1	10540	Germany	1007.64		
2	10372	Brazil	890.78		
3	10691	Germany	810.05		
4	10514	Austria	789.95		
5	11017	Austria	754.26		
6	10897	Ireland	603.54		
7	10912	Ireland	580.91		
8	10634	France	487.38		
9	10633	Austria	477.9		
10	10430	Austria	458.78		
11	10841	Belgium	424.3		
Total rows: 703 Query complete 00:00:00.481					

All

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;

Data Output Messages Notifications					
=+ • V • SQL					
	order_id [PK] smallint	ship_country character varying (15)	freight real		
1	10540	Germany	1007.64		
2	10372	Brazil	890.78		