Assignment 6

Day 6

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')

```
1 v  SELECT product_name,
2    CASE
3        WHEN units_in_stock = 0 THEN 'Out of Stock'
4        WHEN units_in_stock < 20 THEN 'Low Stock'
5        ELSE 'Normal stock'
6    END AS stock_status
7    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

Total rows: 77   Query complete 00:00:00.092

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;
```

Data Output   Messages   Notifications

	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	Steelers Stout	18

Total rows: 12   Query complete 00:00:00.09

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)

```
21 v  SELECT order_id, order_date, freight, employee_id
22    FROM orders
23    WHERE employee_id  =  (SELECT employee_id
24                            FROM orders
25                            GROUP BY employee_id
26                            ORDER BY COUNT (order_id) DESC
27                            LIMIT 1);
```

Data Output   Messages   Notifications

	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

Total rows: 156   Query complete 00:00:00.086

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

```sql
32  v  SELECT order_id, ship_country, freight
33     FROM orders
34     WHERE ship_country != 'USA'
35       AND freight > ALL (
36          SELECT freight
37          FROM orders
38          WHERE ship_country = 'USA'
39       )
40     ORDER BY freight DESC;
41     ORDER BY freight desc;
```

Data Output   Messages   Notifications

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