

## 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')




```
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  
FROM Products;
```

Data Output Messages Notifications		
         SQL		
	product_name character varying (40)	stock_status text
1	Aniseed Syrup	Low Stock
2	Chef Anton's Cajun Seasoning	In Stock
3	Chef Anton's Gumbo Mix	Out of Stock
4	Grandma's Boysenberry Spread	In Stock
5	Uncle Bob's Organic Dried Pears	Low Stock
6	Northwoods Cranberry Sauce	Low Stock
7	Mishi Kobe Niku	In Stock
8	Ikura	In Stock
9	Queso Cabrales	In Stock
10	Queso Manchego La Pastora	In Stock
11	Konbu	In Stock
Total rows: 67		Query complete 00:00:00.268

## 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	Midnight Mango Fizz	19

```
SELECT product_name, unit_price
FROM
    Products
WHERE
    category_id = (SELECT category_id FROM Categories
    WHERE category_name = 'Drinks')
    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
Total rows: 12		Query complete 00:00:00.174

### 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				
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	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 Messages Notifications			
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	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			
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