

## BRIGHT COFFEE SQL SYNTAXS:

### 1. Minimum transaction time syntax and output:

```
4 SELECT MIN(TRANSACTION_TIME)
5 FROM SHOP.COFFEE_SALES.BRIGHT_COFFEE_SHOP_SALES;
```

Results		Chart
	MIN(TRANSACTION_TIME)	
1	06:00:00	

### 2. Maximum transaction time syntax and output:

```
7 SELECT MAX(TRANSACTION_TIME)
8 FROM SHOP.COFFEE_SALES.BRIGHT_COFFEE_SHOP_SALES;
```

Results		Chart
	MAX(TRANSACTION_TIME)	
1	20:59:32	

### 3. Data transformation syntax and output :

- Time\_buckets
- Cast unit\_price '3,1' to '3.1'
- Computing total amount= unit\_price \* transaction\_qty
- Grouping

```
30 SELECT
31 TO_DATE(TRANSACTION_DATE, 'YYYY/MM/DD') AS transaction_date,
32 TO_CHAR(TO_DATE(TRANSACTION_DATE, 'YYYY/MM/DD'), 'YYYYMM') AS MONTH_ID,
33 COUNT(TRANSACTION_ID) AS NUMBER_OF_SALES,
34 COUNT(PRODUCT_ID) AS UNIQUE_PRODUCTS_SOLD,
35 SUM(TRANSACTION_QTY) AS TOTAL_QTY_SOLD,
36 SUM(TRANSACTION_QTY * TO_NUMBER(REPLACE(UNIT_PRICE, ',', ''))) AS TOTAL_AMOUNT,
37 PRODUCT_CATEGORY,
38 PRODUCT_DETAIL,
39 PRODUCT_TYPE,
40 STORE_LOCATION,
41 CASE
42 WHEN TRANSACTION_TIME BETWEEN '06:00:00' AND '11:59:59' THEN 'Morning'
43 WHEN TRANSACTION_TIME BETWEEN '12:00:00' AND '16:59:59' THEN 'Afternoon'
44 WHEN TRANSACTION_TIME BETWEEN '17:00:00' AND '19:59:59' THEN 'Evening'
45 ELSE 'Night'
46 END AS TIME_BUCKETS,
47 FROM SHOP.COFFEE_SALES.BRIGHT_COFFEE_SHOP_SALES
48 GROUP BY ALL
49 ORDER BY TRANSACTION_DATE ASC;
```

Results

Chart

	🕒 TRANSACTION_DATE	📅 MONTH_ID	📊 NUMBER_OF_SALES	📦 UNIQUE_PRODUCTS_SOLD	📦 TOTAL_QTY_SOLD	💰 TOTAL_AMOUNT	🏷️ PRODUCT_CATEGORY	📝 PRODUCT_DETAIL	🏷️ P d
1	2023-01-01	202301	1	1	2	8	Coffee	Brazilian Lg	Orga
2	2023-01-01	202301	1	1	1	4	Bakery	Croissant	Past
3	2023-01-01	202301	1	1	1	3	Tea	Traditional Blend Chai R	Brew
4	2023-01-01	202301	1	1	1	3	Tea	Traditional Blend Chai R	Brew
5	2023-01-01	202301	1	1	1	4	Bakery	Chocolate Chip Biscotti	Bisco
6	2023-01-01	202301	1	1	2	6	Coffee	Our Old Time Diner Blen	Drip
7	2023-01-01	202301	2	2	3	9	Coffee	Espresso shot	Baris
8	2023-01-01	202301	1	1	2	6	Coffee	Espresso shot	Baris
9	2023-01-01	202301	1	1	2	8	Coffee	Jamaican Coffee River L	Pren