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SELECT*
FROM sales.public.bright_coffee_shop
LIMIT 10;

---Syntax to check operating hours
SELECT  MIN(transaction_time) AS opening_time
FROM sales.public.bright_coffee_shop;

SELECT  MAX(transaction_time) AS closing_time
FROM sales.public.bright_coffee_shop;

---- Date time pattens
SELECT  TO_DATE(transaction_date) AS purchase_date,
     DAYOFMONTH(TO_DATE(transaction_date)) AS day_of_month,
     MONTHNAME(TO_DATE(transaction_date)) AS name_of_month,
     TO_CHAR(TO_DATE(transaction_date),'YYYYMM') AS month_id,
     DAYNAME(TO_DATE(transaction_date)) AS day_name,

--- Syntax for day classifications

     CASE
       WHEN day_name IN ('Sat','Sun') THEN 'Weekend'
       ELSE 'Weekday'
       END AS day_classification,

--- Syntax for transection times and group into buckets

     HOUR(transaction_time) hour_of_day,

     CASE
       WHEN transaction_time BETWEEN '06:00:00' AND '11:59:59' THEN 'Morning: 6am-12pm'
```

```
        WHEN transaction_time BETWEEN '12:00:00' AND '16:59:59' THEN 'Afternoon: 12pm-4pm'
        WHEN transaction_time BETWEEN '17:00:00' AND '19:59:59' THEN 'Evening: 4pm-8pm'
        ELSE 'Night: +8pm'
        END AS time_buckets,

--- Syntax to find revenue

ROUND(SUM(IFNULL(transaction_qty,0)*IFNULL(unit_price,0))) AS total_revenue,

--- count unique transections, stores and products

COUNT(DISTINCT transaction_id) AS number_of_sales,
COUNT(DISTINCT store_id) AS stores,
COUNT(DISTINCT product_id) AS number_of_different_products,

--- Classifying different categories, types and location

product_category,
product_detail,
product_type,
store_location,

FROM sales.public.bright_coffee_shop,

GROUP BY ALL;
```