```sql
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 patterns
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;
```