```
-- To check all the columns names in my data
-- To check the data types in my data
SELECT*
FROM CASESTUDY.BRIGHT.COFFEE_SHOP
LIMIT 10;

---------
-- I want to check my categorical coloumns
SELECT DISTINCT STORE_LOCATION
FROM CASESTUDY.BRIGHT.COFFEE_SHOP;

SELECT DISTINCT PRODUCT_CATEGORY
FROM CASESTUDY.BRIGHT.COFFEE_SHOP;



------------------------------ DATETIME
--DATE FUNCTIONS
-- TO KNOW THE DATE RANGE
-- Transcation date, to know when the shop opened
SELECT MIN(TRANSACTION_DATE) AS FIRST_OPERATNG_DATE
FROM CASESTUDY.BRIGHT.COFFEE_SHOP;

-- Date of the last transaction
SELECT MAX(TRANSACTION_DATE) AS LAST_OPERATING_DATE
FROM CASESTUDY.BRIGHT.COFFEE_SHOP;

-- What time the shop opens
SELECT MIN(TRANSACTION_TIME) AS OPENING_TIME
FROM CASESTUDY.BRIGHT.COFFEE_SHOP;

-- wHAT TIME THE SHOP CLOSE
SELECT MAX(TRANSACTION_TIME) AS CLOSING_TIME
FROM CASESTUDY.BRIGHT.COFFEE_SHOP;

-- DAYS_ CALCULATE REVENUE BY DAY
SELECT TRANSACTION_DATE,
       DAYNAME(TRANSACTION_DATE) AS DAY_NAME,
       CASE
        WHEN DAY_NAME IN('SUN','SAT') THEN 'WEEKEND'
        ELSE 'WEEKDAY'
        END AS DAY_CLASSIFICATION,
       MONTHNAME(TRANSACTION_DATE) AS MONTH_NAME,
```

```
       CASE
        WHEN TRANSACTION_TIME BETWEEN '06:00:00' AND '11:59:59' THEN
'MORNING'
        WHEN TRANSACTION_TIME BETWEEN '12:00:00' AND '16:59:59' THEN
'AFTERNOON'
        WHEN TRANSACTION_TIME >= '17:00:00' THEN 'EVENING'
        END AS TIME_CLASSIFICATION,

       HOUR(TRANSACTION_TIME) AS HOUR_OF_DAY,

       -- CATEGORICAL DATA
       STORE_LOCATION,
       PRODUCT_CATEGORY,
       PRODUCT_DETAIL,
       PRODUCT_TYPE,

      -- IDs
      COUNT(DISTINCT(TRANSACTION_ID)) AS NUMBER_OF_SALES,

      -- REVENUE CALCULATION
      SUM(TRANSACTION_QTY*UNIT_PRICE) AS REVENUE


FROM CASESTUDY.BRIGHT.COFFEE_SHOP
GROUP BY ALL;
```