**MY SQL QUERIES**

**COFFEE SHOP SALES PROJECT**

**CONVERT DATE (transaction\_date) COLUMN TO PROPER DATE FORMAT**

UPDATE coffee\_shop\_sales

SET transaction\_date = STR\_TO\_DATE(transaction\_date, '%d-%m-%Y');

**ALTER DATE (transaction\_date) COLUMN TO DATE DATA TYPE**

UPDATE coffee\_shop\_sales

SET transaction\_date = STR\_TO\_DATE(transaction\_date, '%c/%e/%Y')

WHERE STR\_TO\_DATE(transaction\_date, '%c/%e/%Y') IS NOT NULL;

**CONVERT TIME (transaction\_time) COLUMN TO PROPER DATE FORMAT**

UPDATE coffee\_shop\_sales

SET transaction\_time = STR\_TO\_DATE(transaction\_time, '%H:%i:%s');

**ALTER TIME (transaction\_time) COLUMN TO DATE DATA TYPE**

ALTER TABLE coffee\_shop\_sales

MODIFY COLUMN transaction\_time TIME;

**DATA TYPES OF DIFFERENT COLUMNS**

DESCRIBE coffee\_shop\_sales;

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**TOTAL SALES**

SELECT ROUND(SUM(unit\_price \* transaction\_qty)) as Total\_Sales

FROM coffee\_shop\_sales

WHERE MONTH(transaction\_date) = 5 -- for month of (CM-May)



**TOTAL ORDERS**

SELECT COUNT(transaction\_id) as Total\_Orders

FROM coffee\_shop\_sales

WHERE MONTH (transaction\_date)= 5 -- for month of (CM-May)



**TOTAL QUANTITY SOLD**

SELECT SUM(transaction\_qty) as Total\_Quantity\_Sold

FROM coffee\_shop\_sales

WHERE MONTH(transaction\_date) = 5 -- for month of (CM-May)



**SALES TREND OVER PERIOD**

SELECT AVG(total\_sales) AS average\_sales

FROM (

SELECT

SUM(unit\_price \* transaction\_qty) AS total\_sales

FROM

coffee\_shop\_sales

WHERE

MONTH(transaction\_date) = 5 -- Filter for May

GROUP BY

transaction\_date

) AS internal\_query;



**DAILY SALES FOR MONTH SELECTED**

SELECT

DAY(transaction\_date) AS day\_of\_month,

ROUND(SUM(unit\_price \* transaction\_qty),1) AS total\_sales

FROM

coffee\_shop\_sales

WHERE

MONTH(transaction\_date) = 5 -- Filter for May

GROUP BY

DAY(transaction\_date)

ORDER BY

DAY(transaction\_date);

 

**SALES BY WEEKDAY / WEEKEND:**

SELECT

CASE

WHEN DAYOFWEEK(transaction\_date) IN (1, 7) THEN 'Weekends'

ELSE 'Weekdays'

END AS day\_type,

ROUND(SUM(unit\_price \* transaction\_qty),2) AS total\_sales

FROM

coffee\_shop\_sales

WHERE

MONTH(transaction\_date) = 5 -- Filter for May

GROUP BY

CASE

WHEN DAYOFWEEK(transaction\_date) IN (1, 7) THEN 'Weekends'

ELSE 'Weekdays'

END;



**SALES BY STORE LOCATION**

SELECT

store\_location,

SUM(unit\_price \* transaction\_qty) as Total\_Sales

FROM coffee\_shop\_sales

WHERE

MONTH(transaction\_date) =5

GROUP BY store\_location

ORDER BY SUM(unit\_price \* transaction\_qty) DESC



**SALES BY PRODUCT CATEGORY**

SELECT

product\_category,

ROUND(SUM(unit\_price \* transaction\_qty),1) as Total\_Sales

FROM coffee\_shop\_sales

WHERE

MONTH(transaction\_date) = 5

GROUP BY product\_category

ORDER BY SUM(unit\_price \* transaction\_qty) DESC



**SALES BY PRODUCTS (TOP 10)**

SELECT

product\_type,

ROUND(SUM(unit\_price \* transaction\_qty),1) as Total\_Sales

FROM coffee\_shop\_sales

WHERE

MONTH(transaction\_date) = 5

GROUP BY product\_type

ORDER BY SUM(unit\_price \* transaction\_qty) DESC

LIMIT 10

