**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**

ALTER TABLE coffee\_shop\_sales

MODIFY COLUMN transaction\_date DATE;

**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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**CHANGE COLUMN NAME `ï»¿transaction\_id` to transaction\_id**

ALTER TABLE coffee\_shop\_sales

CHANGE COLUMN `ï»¿transaction\_id` transaction\_id INT;

**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)



**CALENDAR TABLE – DAILY SALES, QUANTITY and TOTAL ORDERS**

SELECT

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

SUM(transaction\_qty) AS total\_quantity\_sold,

COUNT(transaction\_id) AS total\_orders

FROM

coffee\_shop\_sales

WHERE

transaction\_date = '2023-05-18'; --For 18 May 2023



**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



**SALES BY DAY | HOUR**

SELECT

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

SUM(transaction\_qty) AS Total\_Quantity,

COUNT(\*) AS Total\_Orders

FROM

coffee\_shop\_sales

WHERE

DAYOFWEEK(transaction\_date) = 3 -- Filter for Tuesday (1 is Sunday, 2 is Monday, ..., 7 is Saturday)

AND HOUR(transaction\_time) = 8 -- Filter for hour number 8

AND MONTH(transaction\_date) = 5; -- Filter for May (month number 5)



***TO GET SALES FROM MONDAY TO SUNDAY FOR MONTH OF MAY***

SELECT

CASE

WHEN DAYOFWEEK(transaction\_date) = 2 THEN 'Monday'

WHEN DAYOFWEEK(transaction\_date) = 3 THEN 'Tuesday'

WHEN DAYOFWEEK(transaction\_date) = 4 THEN 'Wednesday'

WHEN DAYOFWEEK(transaction\_date) = 5 THEN 'Thursday'

WHEN DAYOFWEEK(transaction\_date) = 6 THEN 'Friday'

WHEN DAYOFWEEK(transaction\_date) = 7 THEN 'Saturday'

ELSE 'Sunday'

END AS Day\_of\_Week,

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

FROM

coffee\_shop\_sales

WHERE

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

GROUP BY

CASE

WHEN DAYOFWEEK(transaction\_date) = 2 THEN 'Monday'

WHEN DAYOFWEEK(transaction\_date) = 3 THEN 'Tuesday'

WHEN DAYOFWEEK(transaction\_date) = 4 THEN 'Wednesday'

WHEN DAYOFWEEK(transaction\_date) = 5 THEN 'Thursday'

WHEN DAYOFWEEK(transaction\_date) = 6 THEN 'Friday'

WHEN DAYOFWEEK(transaction\_date) = 7 THEN 'Saturday'

ELSE 'Sunday'

END;



***TO GET SALES FOR ALL HOURS FOR MONTH OF MAY***

SELECT

HOUR(transaction\_time) AS Hour\_of\_Day,

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

FROM

coffee\_shop\_sales

WHERE

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

GROUP BY

HOUR(transaction\_time)

ORDER BY

HOUR(transaction\_time);

