USE PROJECT;

SELECT \* FROM PIZZA\_SALES;

ALTER TABLE PIZZA\_SALES

MODIFY COLUMN order\_date DATE;

ALTER TABLE PIZZA\_SALES

MODIFY COLUMN order\_time TIME;

TRUNCATE TABLE PIZZA\_SALES;

**-- KPI'S**

-- Task 1

-- To find the Total Revenue

SELECT SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales;

-- Task 2

-- Average Order By Revenue

SELECT SUM(total\_price) / COUNT(DISTINCT order\_id) AS Average\_order\_by\_revenue

FROM pizza\_sales;

-- Task 3

-- Total\_Pizzas\_Sold

SELECT SUM(quantity) AS Total\_Pizza\_Sold

FROM pizza\_sales;

-- Task 4

-- Total\_Orders

SELECT COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales;

-- Task 5

-- Average\_Pizza\_Per\_Order

SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2)) / CAST(COUNT(DISTINCT order\_id) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS Average\_Pizza\_Per\_Order

FROM pizza\_sales;

**-- CHARTS REQUIREMENTS**

-- Task 1

-- Daily Trends for Total Orders

SELECT DAYNAME(order\_date) as Order\_Day, COUNT(DISTINCT order\_id) AS Total\_orders

FROM pizza\_sales

GROUP BY DAYNAME(order\_date);

-- Task 2

-- Monthly Trends For Total\_Orders

SELECT MONTHNAME(order\_date) as Order\_Month, COUNT(DISTINCT order\_id) AS Total\_orders

FROM pizza\_sales

GROUP BY MONTHNAME(order\_date)

ORDER BY Total\_orders DESC;

-- Task 3

-- Percentage of Sales by category

SELECT pizza\_category,SUM(total\_price) AS Total\_Sales, SUM(total\_price) \* 100 / (SELECT SUM(total\_price) FROM pizza\_sales WHERE MONTH(order\_date) = 1) AS Percentage

FROM pizza\_sales

WHERE MONTH(order\_date) = 1

GROUP BY pizza\_category;

-- Task 4

-- Percentage of Sales by size

SELECT pizza\_size, CAST(SUM(total\_price) AS DECIMAL(10,2)) AS Total\_Sales,

CAST(SUM(total\_price) \* 100 AS DECIMAL(10,2)) / CAST((SELECT SUM(total\_price) FROM pizza\_sales WHERE quarter(order\_date) = 1) AS DECIMAL(10,2)) AS Percentage

FROM pizza\_sales

WHERE Quarter(order\_date) = 1

GROUP BY pizza\_size

ORDER BY Percentage DESC;

-- Task 5

-- Total Pizzas Sold by Pizza Category

SELECT pizza\_category, SUM(quantity) as Total\_Quantity\_Sold

FROM pizza\_sales

WHERE MONTH(order\_date) = 2

GROUP BY pizza\_category

ORDER BY Total\_Quantity\_Sold DESC;

-- Task 6

-- Top 5 Pizzas by Revenue

SELECT pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue DESC

LIMIT 5;

-- Task 7

-- Bottom 5 Pizzas by Revenue

SELECT pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue ASC

LIMIT 5;

-- Task 8

-- Top 5 Pizzas by Quantity

SELECT pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Pizza\_Sold DESC

LIMIT 5;

-- Task 8

-- Bottom 5 Pizzas by Quantity

SELECT pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Pizza\_Sold ASC

LIMIT 5;

-- Task 9

-- Top 5 Pizzas By Total\_Orders

SELECT pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Orders DESC

LIMIT 5;

-- Task 10

-- Bottom 5 Pizzas By Total\_Orders

SELECT pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Orders ASC

LIMIT 5;