**SQL QUERY SOLUTION**

Formatting order\_date and order\_time column to DATE and TIME format

UPDATE pizzadb

SET order\_time = str\_to\_date(order\_time, '%H:%i:%s');

ALTER TABLE pizzadb

MODIFY COLUMN order\_time TIME;

UPDATE pizzadb

SET order\_date = str\_to\_date(order\_date, '%d-%m-%Y');

ALTER TABLE pizzadb

MODIFY COLUMN order\_date DATE;

**KPI’S REQUIREMENT**

1. Total Revenue

SELECT SUM(total\_price) AS total\_revenue

FROM pizzadb;

1. Average Order Value

SELECT SUM(total\_price) / COUNT(DISTINCT order\_id)

AS average\_order\_value

FROM pizzadb;

1. Total Pizzas Sold

SELECT SUM(quantity) AS total\_pizzas\_sold FROM pizzadb;

1. Total Orders

SELECT count(DISTINCT order\_id) FROM pizzadb;

1. Average Pizzas Per Order

SELECT SUM(quantity) / COUNT(DISTINCT order\_id)

AS average\_pizzas\_per\_order

FROM pizzadb;

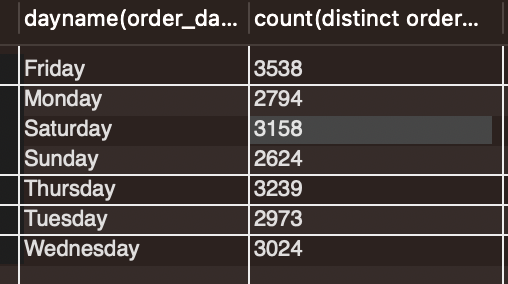
CHARTS REQUIREMENT

1. Daily Trend for Total Orders

SELECT DAYNAME(order\_date), COUNT(distinct order\_id)

FROM pizzadb

GROUP BY DAYNAME(order\_date) ;



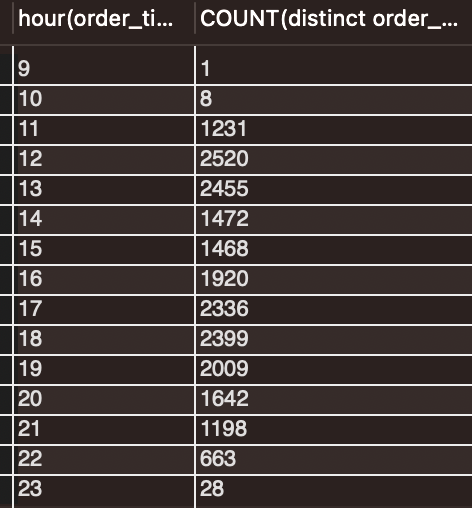
1. Hourly trend for Total Orders

SELECT HOUR(order\_time), COUNT(DISTINCT order\_id)

FROM pizzadb

GROUP BY HOUR(order\_time)

ORDER BY HOURorder\_time) ;



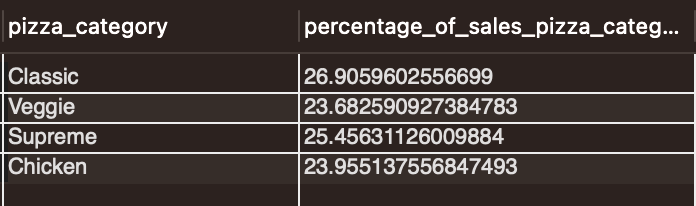
1. Percentage of Sales by Pizza Category

SELECT pizza\_category, SUM(total\_price) \* 100/ (SELECT SUM(total\_price) from pizzadb) AS

percentage\_of\_sales\_pizza\_category

FROM pizzadb

GROUP BY pizza\_category;



1. Percentage of Sales by Pizza Size

SELECT pizza\_size,

CAST(

SUM(total\_price) \* 100/ (SELECT SUM(total\_price) FROM pizzadb) AS DECIMAL (10,2)

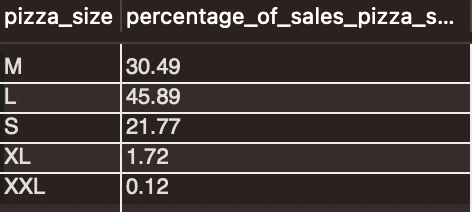
)

AS

percentage\_of\_sales\_pizza\_size

FROM pizzadb

GROUP BY pizza\_size;



**To get the output per quarter**

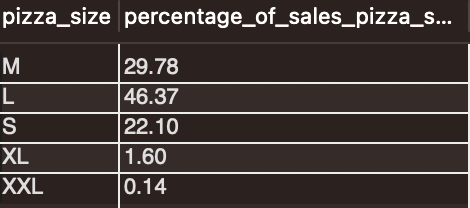
SELECT pizza\_size, CAST(SUM(total\_price) \* 100/ (SELECT SUM(total\_price) FROM pizzadb WHERE QUARTER (order\_date) = 1 ) AS DECIMAL (10,2)) AS

percentage\_of\_sales\_pizza\_size

FROM pizzadb

WHERE QUARTER(order\_date) = 1

GROUP BY pizza\_size;

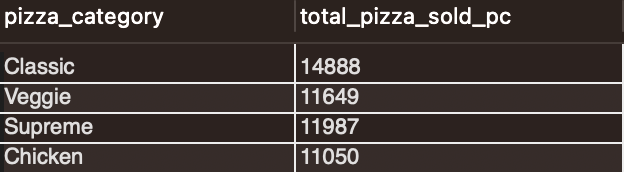


1. Total Pizzas Sold by Pizza Category

SELECT pizza\_category, SUM(quantity) AS total\_pizza\_sold\_pc

FROM pizzadb

GROUP BY pizza\_category;



1. Top 5 Best Sellers by Total Pizzas Sold

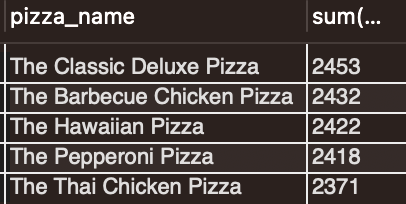
SELECT pizza\_name, SUM(quantity)

FROM pizzadb

GROUP BY pizza\_name

ORDER BY SUM(quantity) DESC

LIMIT 5;



1. Bottom 5 Worst Sellers by Total Pizzas Sold

SELECT pizza\_name, SUM(quantity)

FROM pizzadb

GROUP BY pizza\_name

ORDER BY SUM(quantity) ASC

LIMIT 5;

