**PIZZA SALES SQL QUERIES**

**Creating a Database**

create database pizza\_db;

use pizza\_db;

**Creating Table**

create table pizza\_sales

(pizza\_id int,

order\_id int,

pizza\_name\_id varchar(50),

quantity int,

order\_date varchar(50),

order\_time time,

unit\_price double,

total\_price double,

pizza\_size varchar(50),

pizza\_category varchar(50),

pizza\_ingredients varchar(200),

pizza\_name varchar(100));

**Overview of Dataset**

select \* from pizza\_sales;

**Data Processing**

* alter table pizza\_sales

add column new\_order\_date date;

* set sql\_safe\_updates = 0;
* update pizza\_sales

set new\_order\_date = str\_to\_date(order\_date, "%d-%m-%Y");

**A.KPI’s**

-- **1. Total Revenue:**

select sum(total\_price) as Total\_Revenue

from pizza\_sales;

-- **2. Average Order Value:**

select (sum(total\_price) / count(distinct order\_id)) as Avg\_Order\_Value

from pizza\_sales;

-- **3. Total Pizzas Sold:**

select sum(quantity) as Total\_Pizza\_Sold

from pizza\_sales;

-- **4. Total Orders:**

select count(distinct order\_id) as Total\_Orders

from pizza\_sales;

-- **5. Average Pizzas Per Order:**

select cast(sum(quantity) / count(distinct order\_id) as decimal(10,2)) as Avg\_Pizzas\_Per\_Order

from pizza\_sales;

**B. CHARTS**

-- **1. Daily Trend for Orders:**

select dayname(new\_order\_date) as Order\_Day, count(distinct order\_id) Total\_Orders

from pizza\_sales

group by dayname(new\_order\_date)

order by Total\_Orders desc;

-- **2. Monthly Trend for Orders:**

select monthname(new\_order\_date) as Month\_Name, count(distinct order\_id) as Total\_Orders

from pizza\_sales

group by monthname(new\_order\_date)

order by Total\_Orders desc;

-- **3. Percentage of Sales by Pizza Category:**

select pizza\_category, round(sum(total\_price), 2) as Total\_Sales,

round(sum(total\_price) \* 100 / (select sum(total\_price) from pizza\_sales where month(new\_order\_date) = 1), 2) as PCT

from pizza\_sales

where month(new\_order\_date) = 1

group by pizza\_category

order by PCT desc;

/\* Here month(new\_order\_date) = 1 indicates that the output is for the month of January \*/

-- **4. Percentage of Sales by Pizza Size:**

select pizza\_size, round(sum(total\_price), 2) as Total\_Sales,

round(sum(total\_price) \* 100 / (select sum(total\_price) from pizza\_sales where quarter(new\_order\_date) = 1), 2) as PCT

from pizza\_sales

where quarter(new\_order\_date) = 1

group by pizza\_size

order by PCT desc;

/\* Here quarter(new\_order\_date) = 1 indicates that the output is for the first quarter. \*/

-- **5. Total Pizzas Sold by Pizza Category:**

select pizza\_category, sum(quantity) as Total\_Quantity\_Sold

from pizza\_sales

group by pizza\_category

order by Total\_Quantity\_Sold desc;

-- **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;

-- **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;

-- **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;

-- **9. 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;

-- **10. 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;

-- **11. 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;