create database pizza\_sales;

use pizza\_sales;

select \* from pizza\_types;

create table orders (order\_id INT PRIMARY KEY, date text , time text);

LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/orders.csv'

INTO TABLE orders

fields terminated by ',' optionally enclosed by '"'

lines terminated by '\n'

ignore 1 lines;

create table orders\_details(

order\_details INT PRIMARY KEY,

order\_id int,

pizza\_id text,

quantity int);

LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/order\_details.csv'

INTO TABLE orders\_details

fields terminated by ',' optionally enclosed by '"'

lines terminated by '\n'

ignore 1 lines;

select \* from orders;

select \* from orders\_details;

select \* from pizzas;

select \* from pizza\_types;

create view pizza\_details

as

select p.pizza\_id, p.pizza\_type\_id,pt.name,pt.category,p.size,p.price,pt.ingredients

from pizzas p

join pizza\_types pt

on pt.pizza\_type\_id = p.pizza\_type\_id ;

select \* from pizza\_details;

alter table orders

modify date DATE;

alter table orders

modify time TIME;

---total revenue

select round(sum(od.quantity \* p.price),2) as total\_revenue

from orders\_details od

join pizza\_details p

on od.pizza\_id = p.pizza\_id

--Total of Pizzas SOld

--total orders

select count(distinct(order\_id)) as total\_orders

from orders\_details

--Avg Order Value

select round(sum(od.quantity \* p.price) / count(distinct (od.order\_id)),2) as Avg\_order\_value

from orders\_details od

join pizza\_details p

on od.pizza\_id = p.pizza\_id

--Avg No of pizza per Orders

select round(sum(od.quantity) / count(distinct (od.order\_id)),0) as avg\_pizza\_per\_order

from orders\_details as od

--- total revenue and no of order per category

select p.category, sum(od.quantity \* p.price)as total\_revenue, count(distinct(od.order\_id)) as total\_orders

from orders\_details od

join pizza\_details p

on od.pizza\_id = p.pizza\_id

group by category

--total revenue and no of orders per size

select p.size, sum(od.quantity \* p.price)as total\_revenue, count(distinct(od.order\_id)) as total\_orders

from orders\_details od

join pizza\_details p

on od.pizza\_id = p.pizza\_id

group by size

--Hourly daily and monthly trends in orders and revenue of pizza

select

case

when hour(o.time) between 9 and 12 then 'Late Morning'

when hour(o.time) between 12 and 15 then 'lunch'

when hour(o.time) between 15 and 18 then 'Late afternoon'

when hour(o.time) between 18 and 21 then 'dinner'

when hour(o.time) between 21 and 23 then 'Late Night'

else 'Others'

end as meal\_time , count(distinct(od.order\_id)) as total\_orders

from orders\_details od

join orders o on o.order\_id = od.order\_id

group by meal\_time

order by total\_orders desc;

--weekdays

select DAYNAME(o.date) as day\_name, count(distinct(od.order\_id)) as total\_orders

from orders\_details od

join orders o

on

o.order\_id = od.order\_id

group by DAYNAME(o.date)

order by total\_orders desc

--Monthwise

select MONTHNAME(o.date) as day\_name, count(distinct(od.order\_id)) as total\_orders

from orders\_details od

join orders o

on

o.order\_id = od.order\_id

group by MONTHNAME(o.date)

order by total\_orders desc

--Most Orders Pizza

select p.name , p.size , count(od.order\_id) as count\_pizzas

from orders\_details od

join pizza\_details p

on od.pizza\_id = p.pizza\_id

group by p.name,p.size

order by count\_pizzas desc

limit 1

-- top 5 pizzas by revenue

select p.name, sum(od.quantity \* p.price) as total\_revenue

from orders\_details od

join pizza\_details p

on od.pizza\_id = p.pizza\_id

group by p.name

order by total\_revenue desc

limit 5

--top pizzas By sales

select p.name, sum(od.quantity) as pizas\_sold

from orders\_details od

join pizza\_details p

on od.pizza\_id = p.pizza\_id

group by p.name

order by pizas\_sold desc

limit 5

--Pizza Analysis

select \* from pizza\_details

select name, price from

pizza\_details

order by price desc limit 1

-- most common ingredients

create temporary table numbers as (

select 1 as n union all

select 2 union all select 3 union all select 4 union all

select 5 union all select 6 union all select 7 union all

select 8 union all select 9 union all select 10

);

select ingredient , count(ingredients) as ingredients\_count

from(

select substring\_index(substring\_index(ingredients, ',',n),',',-1)as ingredient

from orders\_details

join pizza\_details on pizza\_details.pizza\_id = orders\_details.pizza\_id

join numbers on char\_length(ingredients) - char\_length(replace(ingredients,',','')) >=n -1

) as subquery

group by ingredient

order by ingredients\_count desc