PIZZA

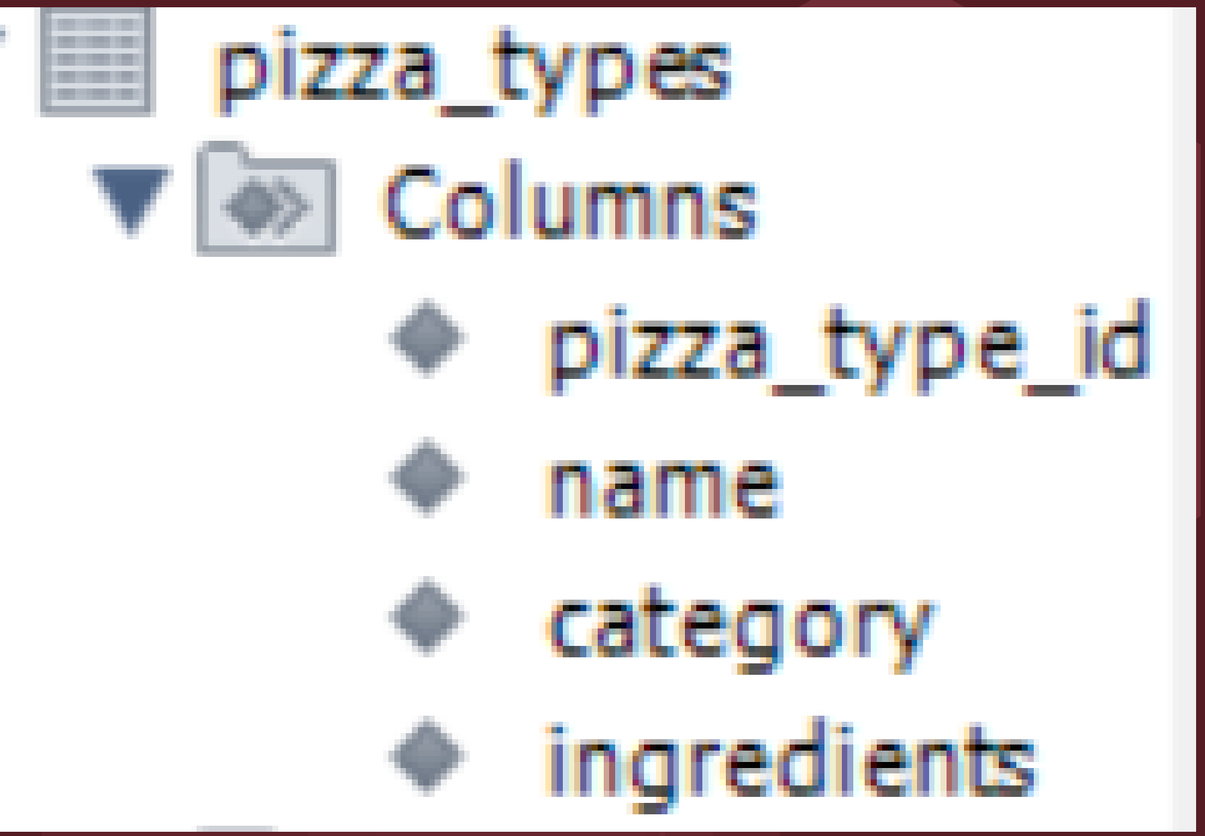
SALES REPORT

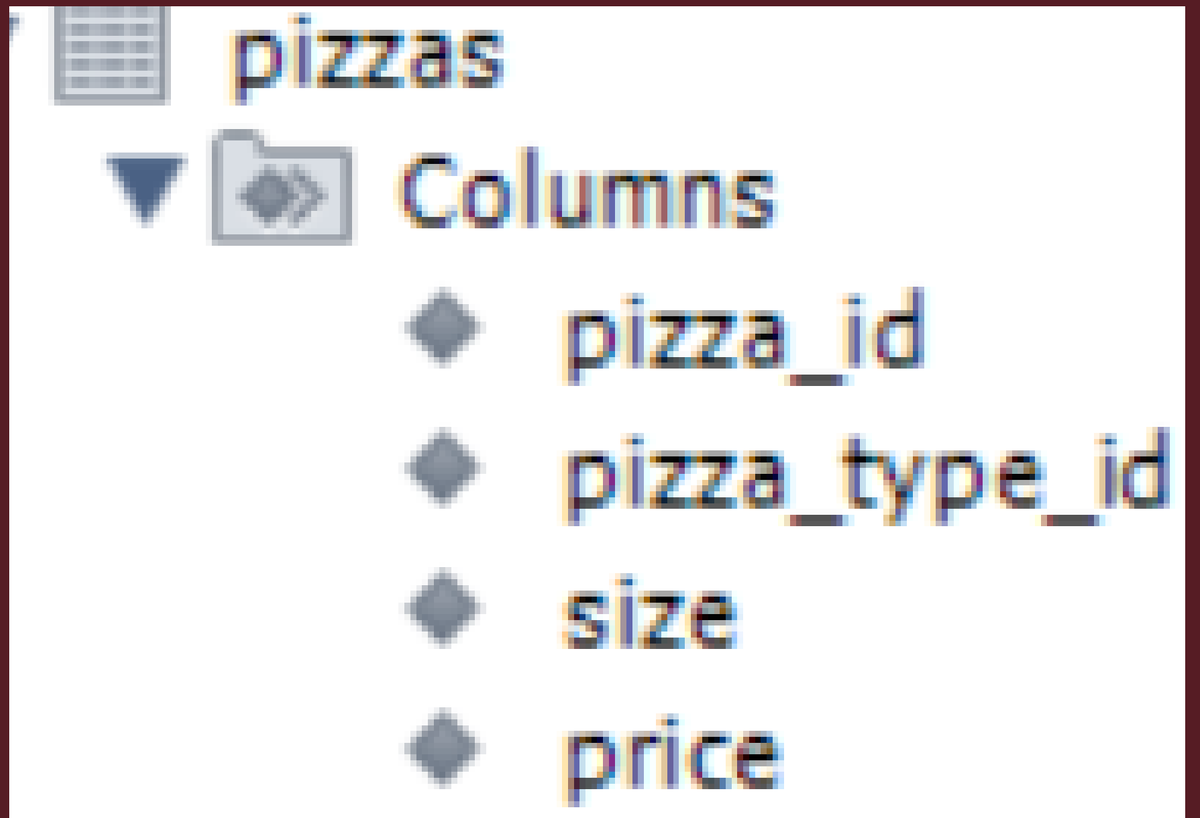
Ingoude Company

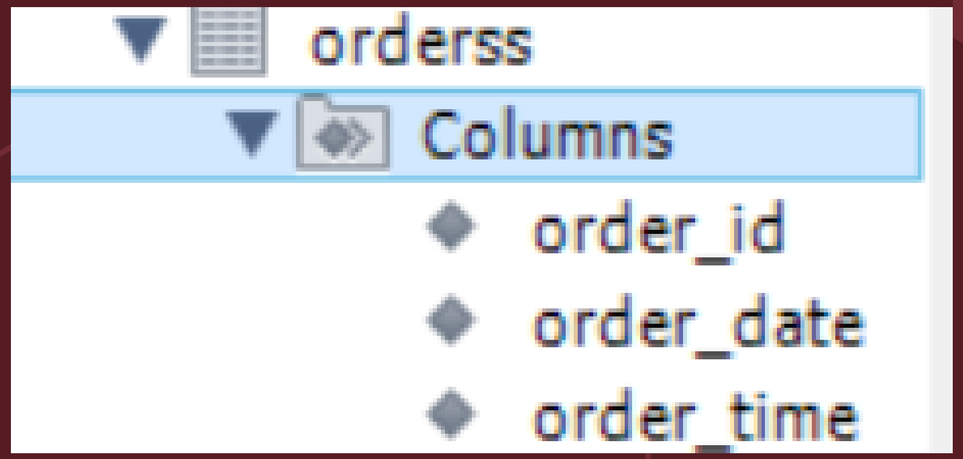
INTRODUCTION

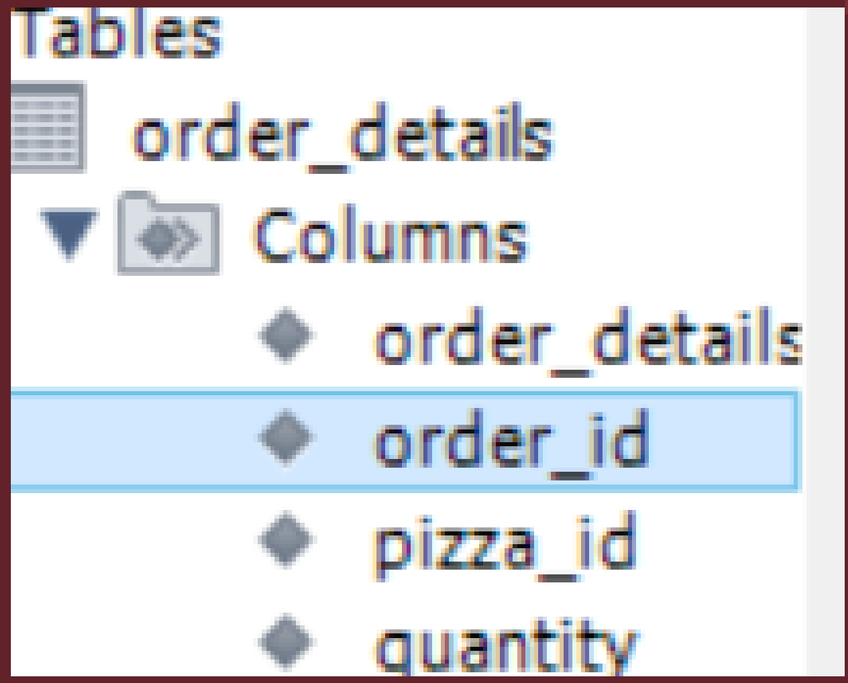
1. Hello , Myself Muskan Kothari and in this project I have utilized SQL query to solve the questions realted to pizza sales

CREATE DATABASE PIZZAHUT


pizza_types
Columns
pizza_type_id
name
category
ingredients


pizzas
Columns
pizza_id
pizza_type_id
size
price


orderss
Columns
order_id
order_date
order_time


Tables
order_details
Columns
order_details
order_id
pizza_id
quantity

ques-most common pizza size ordered?

```sql
-- most common pizza size ordered
(SELECT
    COUNT(p1.size) AS count, p1.size
FROM
    Pizzahut.pizzas AS p1
        RIGHT JOIN
    Pizzahut.order_details AS p2 ON p1.pizza_id = p2.pizza_id
GROUP BY p1.size
ORDER BY count DESC
LIMIT 1);
```

Result Grid

	count	size
▶	18526	L

Total quantity of each pizza ordered categorywise?

```sql
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
FROM
    pizza_types
        LEFT JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        LEFT JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizza_types.category
```

category	quantity
Chicken	11050
Classic	14888
Supreme	11987
Veggie	11649

Determine the distribution of order hour of the day?

```sql
SELECT
    HOUR(order_time) ,
    COUNT(order_id)
FROM
    orderss
GROUP BY hour(order_time)
ORDER BY hour(order_time) ASC;
```

HOUR(order_time)	COUNT(order_id)
9	1
10	8
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28

List the top 5 most ordered pizza types along with their quantities?

```sql
select sum(order_details.quantity) as quantity,
pizza_types.name
from pizzas inner join pizza_types
on pizzas.pizza_type_id= pizza_types.pizza_type_id
    INNER JOIN order_details on order_details.pizza_id=pizzas.pizza_id
    group by pizza_types.name
    order by quantity desc LIMIT 5;
```

quantity	name
2453	The Classic Deluxe Pizza
2432	The Barbecue Chicken Pizza
2422	The Hawaiian Pizza
2418	The Pepperoni Pizza
2371	The Thai Chicken Pizza

Calculate total revenue generate from pizza sales?

```
SELECT
    SUM(p2.quantity * p1.price) AS totalrevenue
FROM
    Pizzahut.pizzas AS p1
        RIGHT JOIN
    Pizzahut.order_details AS p2 ON p1.pizza_id = p2.pizza_id;
```

Result Grid

totalrevenue
817860.049999993

Highest priced pizza?

```sql
SELECT
    pizza_types.name, pizzas.price
FROM
    pizzas
        INNER JOIN
    pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

	name	price
▶	The Greek Pizza	35.95

List the top 5 most ordered pizza types along with their quantities?

```sql
select sum(order_details.quantity) as quantity,
pizza_types.name
from pizzas inner join pizza_types
on pizzas.pizza_type_id= pizza_types.pizza_type_id
    INNER JOIN order_details on order_details.pizza_id=pizzas.pizza_id
    group by pizza_types.name
    order by quantity desc LIMIT 5;
```

quantity	name
2453	The Classic Deluxe Pizza
2432	The Barbecue Chicken Pizza
2422	The Hawaiian Pizza
2418	The Pepperoni Pizza
2371	The Thai Chicken Pizza

Calculate the percentage contribution of each pizza type to total revenue?

```
select
t2.category,
(sum(t1.price * t3.quantity) *100)/
(select sum(pizzas.price * order_details.quantity)
 from pizzas inner join order_details on pizzas.pizza_id=order_details.pizza_id)
 orderrs from
pizzas as t1 inner join pizza_types as t2 on  t1.pizza_type_id=t2.pizza_type_id
inner join order_details as t3 on t1.pizza_id=t3.pizza_id group by category
```

Result Grid | Filter Rows:

category	orderrs
Classic	26.9059602556699
Veggie	23.682590927384783
Supreme	25.45631126009884
Chicken	23.955137556847493

Group by orders by date and calculate the avgerage number of pizza ordered by day

```sql
SELECT
    ROUND(AVG(quantity), 0)
FROM
    (SELECT
        SUM(t1.quantity) AS quantity, t2.order_date
    FROM
        order_details AS t1
    INNER JOIN orderss AS t2 ON t1.order_id = t2.order_id
    GROUP BY t2.order_date) AS t3;
```

round(avg(quantity),0)
138

THANK YOU