

# INTRODUCTION

Welcome to my project presentation on analyzing pizza sales using MySQL. This project dives into various aspects of pizza sales data, leveraging SQL queries to extract valuable insights. The analysis covers basic to advanced queries, providing a comprehensive understanding of sales performance, customer preferences, and revenue trends. Through this project, we aim to demonstrate how SQL can be used to turn raw data into actionable insights for business decision-making.

## Adding Data to MySQL Database

Administration

Schemas

Query 1

pizza\_types

pizzas

orders

order\_details

SCHEMAS

Filter objects

AKKI

collage

pizzahut

Tables

order\_details

orders

pizzas

pizza\_types

Views

Stored Procedures

Functions

sys

xyz\_company

100%

23:52

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```

CREATE DATABASE pizzahut;
USE pizzahut;
CREATE TABLE pizza_types(
    pizza_type_id VARCHAR(1024),
    name VARCHAR(1024),
    category VARCHAR(1024),
    ingredients VARCHAR(1024)
);
INSERT INTO pizza_types (pizza_type_id,name,category,ingredients)
VALUES
('bbq_ckn','The Barbecue Chicken Pizza','Chicken','Barbecued Chicken, Red Peppers, Green Peppers, Tomatoes, Red Onions, Barbecue Sauce'),
('cali_ckn','The California Chicken Pizza','Chicken','Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers, Fontina Cheese, Gouda Cheese'),
('ckn_alfredo','The Chicken Alfredo Pizza','Chicken','Chicken, Red Onions, Red Peppers, Mushrooms, Asiago Cheese, Alfredo Sauce'),
('ckn_pesto','The Chicken Pesto Pizza','Chicken','Chicken, Tomatoes, Red Peppers, Spinach, Garlic, Pesto Sauce'),
('southw_ckn','The Southwest Chicken Pizza','Chicken','Chicken, Tomatoes, Red Peppers, Red Onions, Jalapeno Peppers, Corn, Cilantro, Chipotle Sauce'),
('thai_ckn','The Thai Chicken Pizza','Chicken','Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sweet Chilli Sauce'),
('big_meat','The Big Meat Pizza','Classic','Bacon, Pepperoni, Italian Sausage, Chorizo Sausage'),
('classic_dlx','The Classic Deluxe Pizza','Classic','Pepperoni, Mushrooms, Red Onions, Red Peppers, Bacon'),
('hawaiian','The Hawaiian Pizza','Classic','Sliced Ham, Pineapple, Mozzarella Cheese'),
('ital_cpcllo','The Italian Capocollo Pizza','Classic','Capocollo, Red Peppers, Tomatoes, Goat Cheese, Garlic, Oregano'),
('napolitana','The Napolitana Pizza','Classic','Tomatoes, Anchovies, Green Olives, Red Onions, Garlic'),
('pep_msh_pesto','The Pepperoni, Mushroom, and Peppers Pizza','Classic','Pepperoni, Mushrooms, Green Peppers'),
('pepperoni','The Pepperoni Pizza','Classic','Mozzarella Cheese, Pepperoni'),
('the_greek','The Greek Pizza','Classic','Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef Chuck Roast, Red Onions'),
('brie_carre','The Brie Carre Pizza','Supreme','Brie Carre Cheese, Prosciutto, Caramelized Onions, Pears, Thyme, Garlic'),
('calabrese','The Calabrese Pizza','Supreme','Nduja Salami, Pancetta, Tomatoes, Red Onions, Friggitelto Peppers, Garlic'),
('ital_cpcllo','The Italian Capocollo Pizza','Classic','Capocollo, Red Peppers, Tomatoes, Goat Cheese, Garlic, Oregano')

```

Action Output

	Time	Action	Response	Duration / Fetch Time
68	12:29:58	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
69	12:29:58	SHOW COLUMNS FROM 'pizzahut'.order_details	OK	0.000 sec
70	12:30:17	PREPARE stmt FROM 'INSERT INTO 'pizzahut'.order_details' ('order_details_id','order_id','pizza_id','quantity') V...	OK	0.000 sec
71	12:31:05	DEALLOCATE PREPARE stmt	OK	0.000 sec
72	12:31:33	SELECT * FROM pizzahut.order_details LIMIT 0, 5000	5000 row(s) returned	0.00099 sec / 0.0037...

Query Completed

```

⑦ create table orders (
    order_id int not null,
    order_date date not null,
    order_time time not null,
    primary key(order_id) );
⑦ create table order_details (
    order_details_id int not null,
    order_id int not null,
    pizza_id text not null,
    quantity int not null,
    primary key(order_details_id) );

```

-- Retrieve the total number of orders placed.

```
-- Retrieve the total number of orders placed.  
use pizzahut;  
select count(order_id) as total_orders from orders;
```

total_orders
21350

--Calculate the total revenue generated from pizza sales.

```
-- Calculate the total revenue generated from pizza sales
SELECT ROUND(SUM(order_details.quantity * pizzas.price),
FROM
    order_details
    JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id
```

total_revenue	
817860.05	

-- Identify the highest-priced pizza.

```
-- Identify the highest-priced pizza
```

```
SELECT
```

```
    pizza_types.name, pizzas.price
```

```
FROM
```

```
    pizza_types
```

```
    JOIN
```

```
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
```

```
ORDER BY pizzas.price DESC
```

```
LIMIT 1;
```

	name	price	
	The Greek Pizza	35.95	

--Identify the most common pizza size ordered

```
-- Identify the most common pizza size ordered
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

size	order_count	
L	18526	
M	15385	
S	14137	
XL	544	
XXL	28	



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

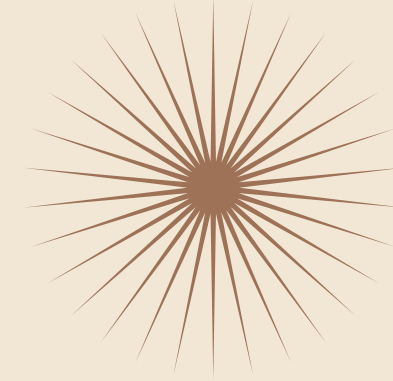
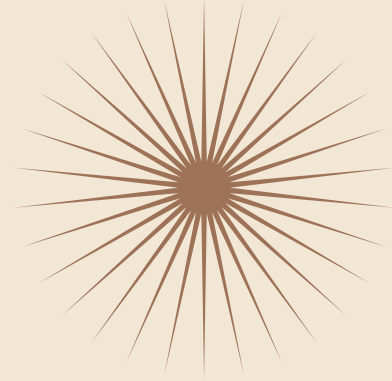
```
-- List the top 5 most ordered pizza types
-- along with their quantities.
SELECT
    pizza_types.name , SUM(order_details.quantity) AS quantity
FROM
    pizza_types JOIN
pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
JOIN
order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

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

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# THANKS

BY : SHIVANG VATS