



Exploring The World of **PizzaHut**

Presented by Rashi Gupta



Delicious Pizza for Everyone!!!



Hello ! My name is Rashi Gupta.

In this project i have utilize SQL queries to solve questions that
were related to the pizza sales.

Database Introduction



The Pizza Hut database includes key categories such as the type of pizza, the name of the pizza, and the size of the pizza. The `pizza_types` table categorizes pizzas into various types like Vegetarian, Meat Lovers, and Seafood, with columns for a unique identifier and the type name. The `pizza_names` table contains information about specific pizzas, including a unique identifier and the name of each pizza. The `pizza_sizes` table details the available sizes for each pizza, with columns for a unique identifier, size name such as Small, Medium, Large. These tables are interconnected to provide a comprehensive view of the pizza menu, facilitating efficient management and customization.



Retrive the total number of order placed

```
use pizzahut;  
SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

	total_orders
▶	21350

Calculate the total revenue generated from pizza sales.



```
use pizzahut;
SELECT
    SUM(order_details.quantity * pizzas.price) AS total_revenue_generated
FROM
    order_details
    JOIN
        pizzas ON pizzas.pizza_id = order_details.pizza_id
```

Result Grid	
	total_revenue_generated
▶	817860.049999993

Identify the highest price pizza

```
use pizzahut;  
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;
```

Result Grid		
	name	price
▶	The Greek Pizza	35.95



Determine the top 3 most ordered pizza types based on revenue.



```
use pizzahut;
select pizza_types.name,
       sum(order_details.quantity * pizzas.price) as revenue
  from pizza_types join pizzas
    on pizzas.pizza_type_id = pizza_types.pizza_type_id
   join order_details
    on order_details.pizza_id = pizzas.pizza_id
 group by pizza_types.name order by revenue desc limit 3;
```

Result Grid		Filter Rows:
	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5



Identify the most common pizza size ordered.

```
use pizzahut;  
select pizzas.size, count(order_details.order_details_id)  
from pizzas join order_details  
on pizzas.pizza_id = order_details.pizza_id  
group by pizzas.size;
```

size	count(order_details.order_details_id)
M	15385
L	18526
S	14137
XL	544
XXL	28

Determine the distribution of orders by hour of the day.

```
use pizzahut;  
select hour(order_time) as hour, count(order_id) as order_count from orders  
group by hour(order_time);
```



Result Grid | Filter Rows:

	hour	order_count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198

Join the necessary tables to find the total quantity of each pizza category ordered.



Result Grid | Filter Row

category	quantity
Chicken	11050
Veggie	11649
Supreme	11987
Classic	14888

```
use pizzahut;
select pizza_types.category,
       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.category order by quantity ;
```

Analyze the cumulative revenue generated over time.

```
use pizzahut;
select order_date,
       sum(revenue) over(order by order_date) as cum_revenue
  from
    (select orders.order_date,
           sum(order_details.quantity * pizzas.price) as revenue
      from order_details join pizzas
        on order_details.pizza_id = pizzas.pizza_id
     join orders
        on orders.order_id = order_details.order_id
   group by orders.order_date) as sales;
```

	order_date	cum_revenue
▶	2015-01-01	2713.850000000004
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.35000000002
	2015-01-11	25862.65

Thank You

