

PIZZAHUT

SQL PROJECT

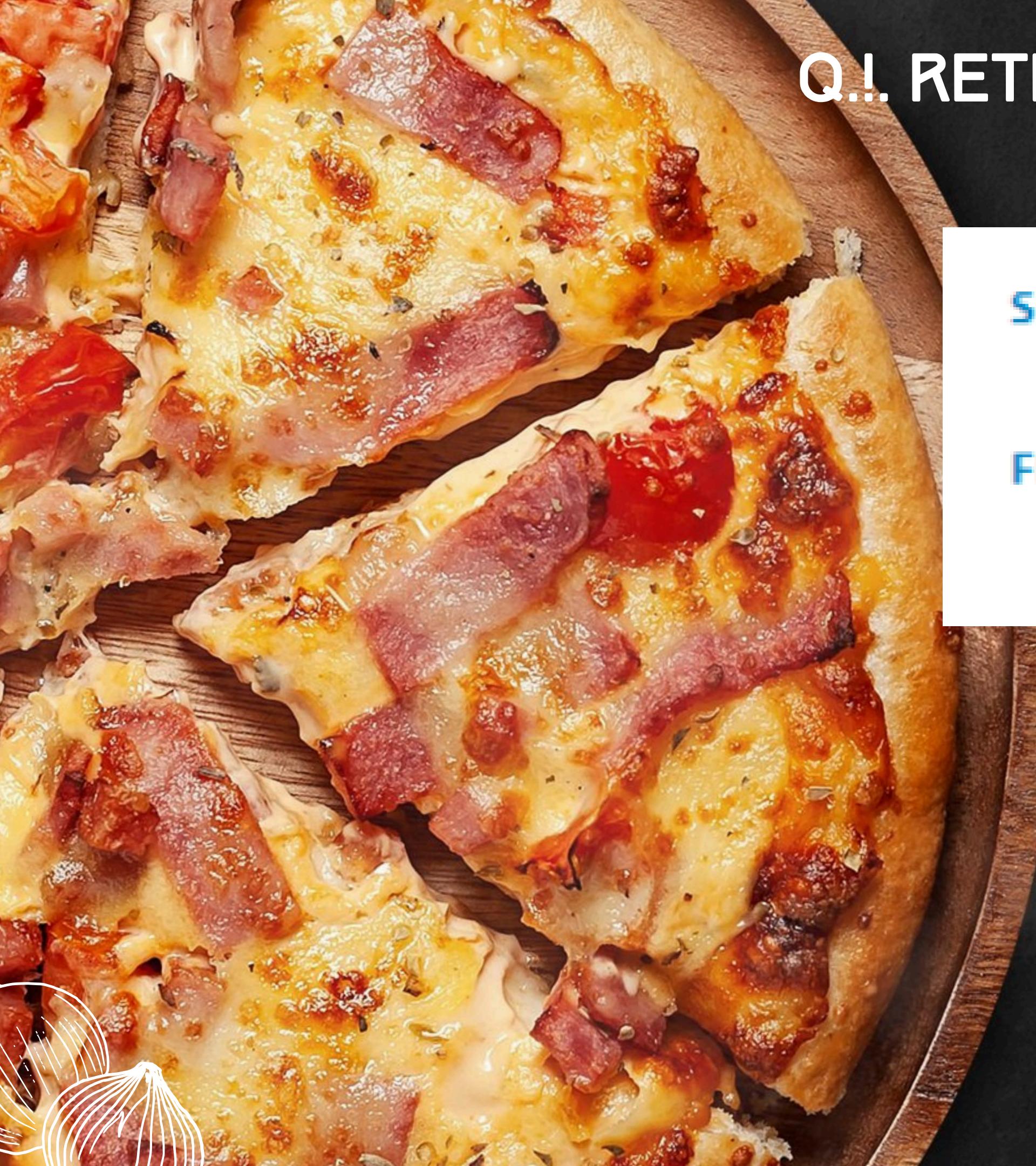


Hello!

My name is Siddhant Gopa.

In this project
i have utilize sql query to solve
questions that we related to
pizza sales.





Q.I. RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

SELECT

COUNT(order_id) AS total_orders

FROM

pizorders;

Result Grid

total_orders

21350

Q2. Calculate the total revenue generated from pizza sales.

SELECT

```
ROUND(SUM(order_details.quantity * pizzas.price),  
      2) AS total_sales
```

FROM

```
order_details
```

JOIN

```
pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

Result Grid	
	total_sales
→	817860.05

Q.3. 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;
```

Result Grid

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

Q.4. Calculate the percentage contribution of each pizza type to total revenue.

```
SELECT pizza_types.category,  
ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT  
ROUND(SUM(order_details.quantity * pizzas.price), 2) AS total_sales  
FROM order_details JOIN pizzas ON  
pizzas.pizza_id = order_details.pizza_id) * 100, 2) AS revenue  
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 revenue desc;
```

category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

Q.5. Determine the distribution of orders by hour of the day.

```
SELECT  
    HOUR(order_time), COUNT(order_id) AS order_count  
FROM  
    pizorders  
GROUP BY HOUR(order_time);
```

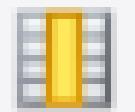
	hour(order_time)	order_count
▶	11	1231
▶	12	2520
▶	13	2455
▶	14	1472
▶	15	1468
▶	16	1920
▶	17	2336
▶	18	2399
▶	19	2009

Q.6. Group the orders by date and calculate the average number of pizzas ordered per day.

```
select round(avg(quantity),0) as avg_pizza_ordered_per_day  
from  
(select pizorders.order_date,  
sum(order_details.quantity) as quantity  
from pizorders join order_details  
on pizorders.order_id = order_details.order_id  
group by pizorders.order_date) as order_quantity;
```

	avg_pizza_ordered_per_day
▶	138

Result Grid



Filter Rows:

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5



Q.7.Determine the top 3 most ordered pizza types based on revenue.

```
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;
```





PIZZAHUT

Q.8. Determine the top 3 most ordered pizza types based on revenue for each pizza category.

```
select name, revenue from
(select category, name, revenue,
rank() over(partition by category order by revenue desc) as rn
from
(select pizza_types.category, pizza_types.name,
sum((order_details.quantity) * pizzas.price) as revenue
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, pizza_types.name) as b)
where rn <= 3 ;
```



The image shows a slice of pizza with various toppings, including red pepperoni, melted cheese, and green bell peppers.

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	The Barbecue Chick
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25
	The Pepperoni Pizza	30161.75
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Sicilian Pizza	32249.5