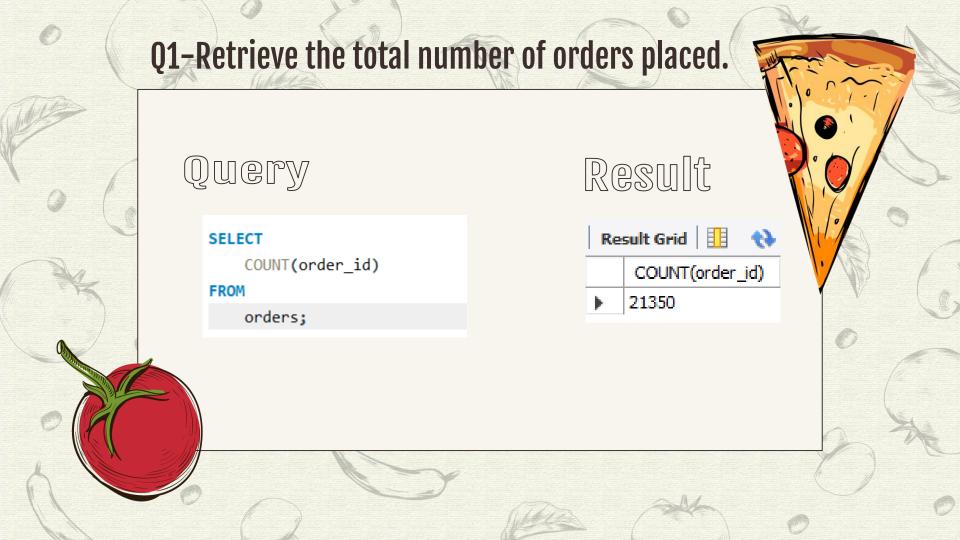


linkedin Gaurav Gupta | LinkedIn



#### Q2 Calculate the total revenue generated from pizza sales.



#### Query

```
SELECT

ROUND(SUM(order_details.quantity * pizzas.price),

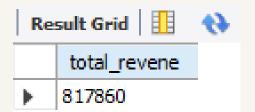
Ø) AS total_revene

FROM

order_details

JOIN

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





Q3 Determine the distribution of orders by hour of the day.

Query

# SELECT HOUR(order\_time) AS Order\_hour, SUM(order\_id) AS total\_orders FROM orders GROUP BY HOUR(order\_time);



Result Grid			
	Order_hour	total_orders	
<b>•</b>	11	13336362	
	12	26929470	
	13	26615205	
	14	14867592	
	15	15634879	
	16	20551671	
	17	24312547	
	18	25808745	
	19	21634044	
	20	17668990	
	21	12868673	
	22	7269872	
	23	330700	
	10	73999	
	9	19176	

Q4 Join relevant tables to find the category-wise distribution of pizzas.

Query

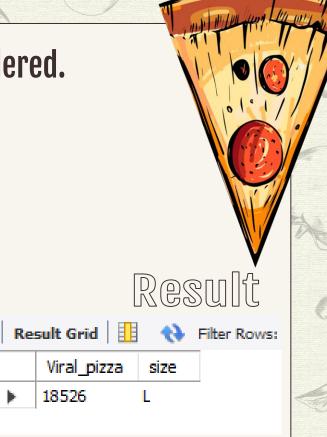
```
SELECT
    category, COUNT(name) AS numbers
FROM
    pizza_types
GROUP BY category;
```

Result Grid			
	category	numbers	
•	Chicken	6	
	Classic	8	
	Supreme	9	
	Veggie	9	

#### Q5 Identify the highest-priced pizza.

```
SELECT
   pizza_types.name, pizzas.price
FROM
   pizzas
       JOIN
   pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
                                                                      Result
ORDER BY price DESC
LIMIT 1;
                                                           Result Grid
                                                                      Filter Rows:
                                                                              price
                                                              name
                                                              The Greek Pizza
                                                                             35.95
```

#### Q6 Identify the most common pizza size ordered.



# Q7 List the top 5 most ordered pizza types along with their quantities.





### Q8 Join the necessary tables to find the total quantity of each pizza category ordered.

```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS total_quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizza_types.category
ORDER BY total_quantity DESC;
```



Result Grid			
	category	total_quantity	
•	Classic	14888	
	Supreme	11987	
	Veggie	11649	
	Chicken	11050	

Q9 Group the orders by date and calculate the average number of pizzas ordered per day.

Query

```
SELECT
    ROUND(AVG(total_sale), 0) as average pizza
FROM
    (SELECT
        orders.order date,
            COUNT(order details.quantity) AS Total sale
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order date) AS DATA;
```





average\_pizza



136

#### Q10 Determine the top 3 most ordered pizza types based on revenue.

#### Query

```
SELECT
    pizza types.name AS Pizza name,
    ROUND(SUM(order details.quantity * pizzas.price),
            0) AS tr
FROM
    pizzas
        JOIN
    order details ON order details.pizza id = pizzas.pizza id
        JOIN
    pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id
GROUP BY Pizza_name
ORDER BY tr DESC
LIMIT 3;
```

Result Grid			
	Pizza_name		
•	The Thai Chicken Pizza	43434	
	The Barbecue Chicken Pizza 42768		
	The California Chicken Pizza 41410		

#### Q11 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),
                                0) AS total sales
                FROM
                    order details
                        JOIN
                    pizzas ON order_details.pizza_id = pizzas.pizza_id) * 100,
            2) AS Something
FROM
   pizzas
        JOIN
   pizza types 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.category;
```



Result Grid			
	category	Something	
•	Classic	26.91	
	Veggie	23.68	
	Supreme	25.46	
	Chicken	23.96	

#### Q12 Analyze the cumulative revenue generated over time.

```
select order_date,
sum(revene_perday) over(order by order_date)as cum_revene

from

(select orders.order_date, sum(order_details.quantity * pizzas.price) as revene_perday
from pizzas

join order_details

on pizzas.pizza_id=order_details.pizza_id

join orders

on orders.order_id=order_details.order_id

group by orders.order_date) AS View_table;

Sum_revene

Result Grid 

Order_date cum_rev

2015-01-01 2713.850
2015-01-02 5445.75
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
2015-01-08 19399.05
```

Resu	
N@9M	

Re	sult Grid	National Filter Rows:	
	order_date	cum_revene	
•	2015-01-01	2713.8500000000	004
	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	23990.350000000	002
	2015-01-11	25862.65	
	2015-01-12	27781.7 Ar	nd so on.

#### Q13 Determine the top 3 most ordered pizza types based on revenue for each pizza category.

Query

```
SELECT category, name, revene po
 FROM

    (SELECT category, name, revene_pc, 
 RANK() OVER(PARTITION BY category ORDER BY revene_pc DESC)
 AS rank_id
 FROM
 (SELECT
     pizza_types.name,
     pizza_types.category,
     SUM(order details.quantity * pizzas.price) AS Revene pc
 FROM
     pizza types
         JOIN
     pizzas ON pizza types.pizza type id = pizzas.pizza type id
         JOIN
     order details ON pizzas.pizza id = order details.pizza id
 GROUP BY pizza_types.name , pizza_types.category) as a) AS B
 WHERE rank id <=3;
```

Re	Result Grid Filter Rows: Export:				
	category	name	revene_pc		
•	Chicken	The Thai Chicken Pizza	43434.25		
	Chicken	The Barbecue Chicken Pizza	42768		
	Chicken	The California Chicken Pizza	41409.5		
	Classic	The Classic Deluxe Pizza	38180.5		
	Classic	The Hawaiian Pizza	32273.25		
	Classic	The Pepperoni Pizza	30161.75		
	Supreme	The Spicy Italian Pizza	34831.25		
	Supreme	The Italian Supreme Pizza	33476.75		
	Supreme	The Sicilian Pizza	30940.5		
	Veggie	The Four Cheese Pizza	32265.70000000065		
	Veggie	The Mexicana Pizza	26780.75		
	Veggie	The Five Cheese Pizza	26066.5		

## THANK\_YOU



<u>LinkedIn</u> Gaurav Gupta | LinkedIn

