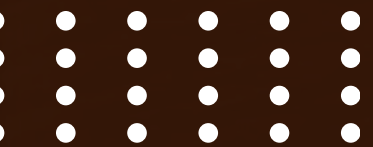


Where Every Slice is a Taste of Perfection

# SQL PROJECT ON PIZZA SALES



Start Your Journey





# MEET OUR FOUNDER

**SABBIR UDDIN AKASH**

Hello, my name is Sabbir. And in this project,  
I have utilized SQL queries to solve questions  
that are related to Pizza Sales.

Slide for More



# RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.



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

Result Grid	
	total_orders
▶	21350



# 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 order_details.pizza_id = pizzas.pizza_id;
```

Result Grid



total\_sales



817860.05





# IDENTIFY THE HIGHEST-PRICED PIZZA.



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

Result Grid			Filter Rows:
	price	name	
▶	35.95	The Greek Pizza	



# 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			Filter Rows
	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.



```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS count
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 count DESC
LIMIT 5;
```

Result Grid			Filter Rows:
	name	count	
▶	The Classic Deluxe Pizza	2453	
	The Barbecue Chicken Pizza	2432	
	The Hawaiian Pizza	2422	
	The Pepperoni Pizza	2418	
	The Thai Chicken Pizza	2371	



# 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**

```
    order_details
```

**JOIN**

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

**JOIN**

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

**GROUP BY** pizza\_types.category

**ORDER BY** total\_quantity **DESC**;

Result Grid |   Filter Rows:

	category	total_quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



# DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.



**SELECT**

**HOUR**(order\_time) **AS** hours, **COUNT**(order\_id) **AS** order\_count

**FROM**

orders

**GROUP BY** hours;

Result Grid			Filter Rows:
	hours	order_count	
▶	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	
	10	8	
	9	1	



# JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.



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

Result Grid			Filter Rows:
	category	COUNT(name)	
▶	Chicken	6	
	Classic	8	
	Supreme	9	
	Veggie	9	



# GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.



```
SELECT
```

```
    ROUND(AVG(ab), 0) AS Avg_Ordered_Pizzas_per_day
```

```
FROM
```

```
    (SELECT
```

```
        SUM(order_details.quantity) AS ab, orders.order_date
```

```
    FROM
```

```
        order_details
```

```
    JOIN orders ON order_details.order_id = orders.order_id
```

```
    GROUP BY orders.order_date) AS cs;
```

Result Grid



Filter Rows:

	Avg_Ordered_Pizzas_per_day
▶	138



# DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.



```
SELECT
    pizza_types.name,
    SUM(pizzas.price * order_details.quantity) 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.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	



# CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.



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

Result Grid			Filter Rows:
	category	revenue_percentage	
▶	Classic	26.91	
	Veggie	23.68	
	Supreme	25.46	
	Chicken	23.96	



# ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.



- ```
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 | 2713.85000000000004 |
|   | 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             |



# 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 a) as b
 where rn <= 3;
```

|   | name                         | revenue           |
|---|------------------------------|-------------------|
| ▶ | The Thai Chicken Pizza       | 43434.25          |
|   | The Barbecue Chicken Pizza   | 42768             |
|   | The California Chicken Pizza | 41409.5           |
|   | 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           | 30940.5           |
|   | The Four Cheese Pizza        | 32265.70000000065 |
|   | The Mexicana Pizza           | 26780.75          |
|   | The Five Cheese Pizza        | 26066.5           |





# OUR SIGNATURE PIZZAS



**\$20**

**Barbecue Pizza**



**\$30**

**California Delight**



**\$25**

**Thai Chicken Pizza**





# ABOUT OUR PIZZA RESTO

## Our Passion for Pizza

At Pizza Resto, we believe every slice tells a story—a story of passion, tradition, and unforgettable flavors. Our journey began with a simple love for authentic, handcrafted pizzas and a dream to share that love with our community.



# THANK YOU FOR ATTENTION

See You Next

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