

Pizzacious

[PIZZA SALES DATABASE]

- used SQL queries to get the details







HELLO !!!

I am Mudita Tiwari, made this project on pizza sales. I used SQL queries to answer some of the questions and has attached the results for the same.

QUESTION 1-

Retrieve the total number of orders placed.





```
select count(order_id) as total_orders from orders;
```

Result Grid			 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	total_orders				
▶	21350				

QUESTION 2-

Calculate the total revenue generated from pizza sales.



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

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	total_revenue				
▶	817860.049999993				

QUESTION 3-

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;
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 	Fetch rows: 
	name	price				
▶	The Greek Pizza	35.95				

QUESTION 4-

Identify the most common pizza size ordered.

```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS most_ordered
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY most_ordered DESC
LIMIT 1;
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 	Fetch rows: 
	size	most_ordered				
▶	L	18526				

QUESTION 5-

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

```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS top_5_pizza
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 top_5_pizza DESC
LIMIT 5;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	name	top_5_pizza				
▶	The Classic Deluxe Pizza	2453				
	The Barbecue Chicken Pizza	2432				
	The Hawaiian Pizza	2422				
	The Pepperoni Pizza	2418				
	The Thai Chicken Pizza	2371				

QUESTION 6-

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

```
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;
```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	category	quantity			
▶	Chicken	11050			
	Veggie	11649			
	Supreme	11987			
	Classic	14888			

QUESTION 7 –

Determine the distribution of orders by hour of the day.

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

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	order_hour	order_count			
▶	11	1231			
	12	2520			
	13	2455			
	14	1472			
	15	1468			
	16	1920			

QUESTION 8 –

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





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

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
category	pizza_count		
▶ Chicken	6		
Classic	8		
Supreme	9		
Veggie	9		

QUESTION 9 –

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

```
SELECT  
    AVG(quantity) as avg_pizza_ordered_per_day  
FROM  
    (SELECT  
        orders.order_date, SUM(order_details.quantity) AS quantity  
    FROM  
        orders  
    JOIN order_details ON orders.order_id = order_details.order_id  
    GROUP BY orders.order_date) AS order_quantity;
```

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	avg_pizza_ordered_per_day				
▶	138.4749				

QUESTION 10-

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;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
	name	revenue				
▶	The Thai Chicken Pizza	43434.25				
	The Barbecue Chicken Pizza	42768				
	The California Chicken Pizza	41409.5				