

# PIZZA SALES ANALYSIS USING SQL



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# Retrieve the total number of orders placed.

QUERY:

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

OUTPUT:

Result Grid	
	total_orders
▶	21350

# Calculate the total revenue generated from pizza sales.

QUERY:

```
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
```

OUTPUT:

Result Grid	
	total_sales
▶	817860.05

# Identify the highest-priced pizza.

QUERY:

```
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;
```

OUTPUT:

Result Grid | Filter Rows:

	name	price
▶	The Greek Pizza	35.95

# Identify the most common pizza size ordered.

QUERY:

```
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;
```

OUTPUT:

	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.

QUERY :

```
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;
```

OUTPUT :

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

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

QUERY :

```
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 DESC;
```

OUTPUT :

Result Grid | Filter Rows:

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

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

QUERY:

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

OUTPUT:

	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
	22	663
	23	28
	10	8
	9	1

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

QUERY :

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

OUTPUT :

	category	COUNT(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

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

QUERY:

```
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;
```

OUTPUT:

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

**THANK YOU  
FOR ATTENTION**