

SLICE AN DICE
PIZZA
SALES
ANALYSIS WITH
SQL

>>>



-- Q1 Retrieve the total number of orders placed

SELECT

```
COUNT(order_id) AS total_orders
```

FROM

```
orders
```

	total_orders
--	--------------

▶	21350
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-- 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 order_details.pizza_id = pizzas.pizza_id
```

	total_sales
--	-------------

▶	817860.05
---	-----------

-- Q3 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 price DESC
LIMIT 1;
```

	name	price
▶	The Greek Pizza	35.95

-- Q4 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 size
ORDER BY most_ordered DESC;
```

size	most_ordered
L	18526
M	15385
S	14137
XL	544
XXL	28

-- Q5 List the top 5 most ordered pizza types along with their quantities.

SELECT

pizza_types.name, 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 pizzas.pizza_id = order_details.pizza_id

GROUP BY name

ORDER BY Quantity DESC

LIMIT 5

name	Quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371



-- Q6 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 pizzas.pizza_id = order_details.pizza_id

GROUP BY pizza_types.category

ORDER BY quantity DESC

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

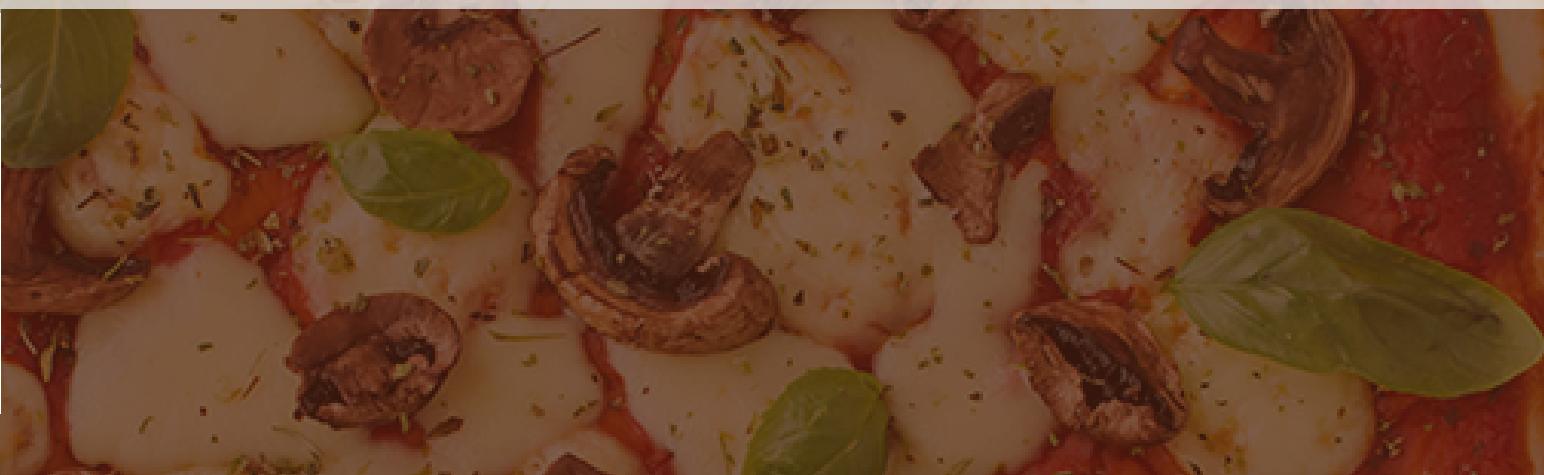


-- Q7 Determine the distribution of orders by hour of the day.

- **SELECT**

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

	hour	order_count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468

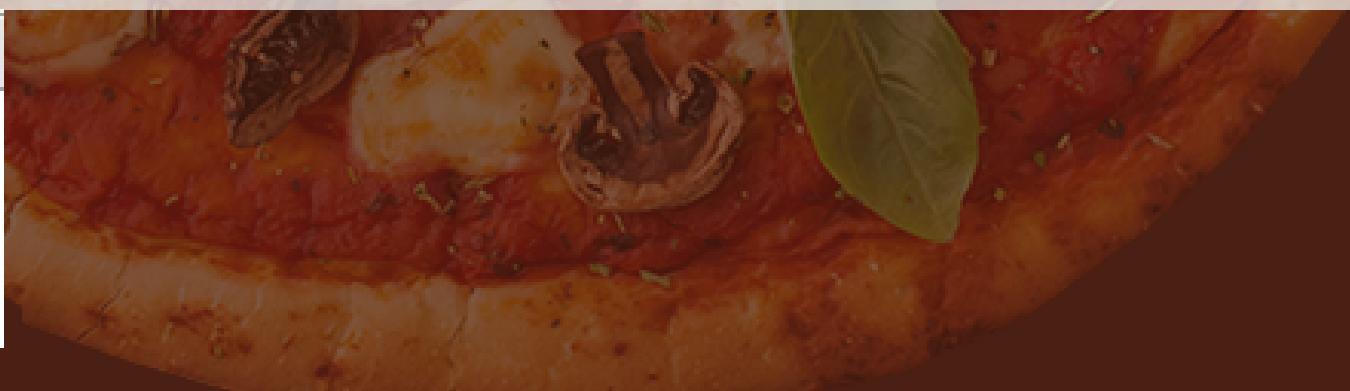


-- Q8 Join relevant tables to find the category-wise distribution of pizzas.

- **SELECT**

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

	category	pizza_count
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



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

SELECT

ROUND(AVG(quantity), 0) AS avg_pizzas_order_per_day

FROM

(SELECT

orders.date, SUM(order_details.quantity) AS quantity

FROM

orders

JOIN order_details **ON** orders.order_id = order_details.order_id

GROUP BY orders.date) AS order_quantity;

avg_pizzas_order_per_day

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

● SELECT

```
pizza_types.name,  
ROUND(SUM(order_details.quantity * pizzas.price),  
0) AS Revenue  
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  
ORDER BY revenue DESC  
LIMIT 3;
```

	name	Revenue
▶	The Thai Chicken Pizza	43434
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41410



**THANK
YOU**