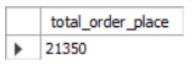
Pizza Sale Analysis



QUESTIONS AND ANSWERS

Q1 Retrieve the total number of orders placed.

```
SELECT
    COUNT(order_id) AS total_order_place
FROM
    orders;
Q2 Calculate the total revenue generated from pizza sales.
SELECT * FROM pizza.order_details;
SELECT
     ROUND(sum(order_details.quantity * pizzas.price),2) as total_revenue
FROM
     order details
join pizzas
on pizzas.pizza_id = order_details.pizza_id;
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 pizzas.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.quantity)
FROM
    order_details
        JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size;
```

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

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

	size	COUNT(order_details.quantity)
•	M	15385
	L	18526
	S	14137
	XL	544
	XXL	28

	name	total
١	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 order_details.pizza_id = pizzas.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

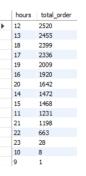
HOUR(time) AS hours, COUNT(order_id) AS total_order

FROM

orders

GROUP BY hours

ORDER BY total_order DESC;
```



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

SELECT			
category,	COUNT(name)	AS	total_pizza
FROM			
pizza_type	es		
GROUP BY cate	gory;		

	category	total_pizza
•	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

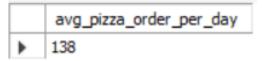
Q9 Group the orders by date and calculate the average number of pizzas ordered per day.

```
SELECT
    ROUND(AVG(total_order),0) as avg_pizza_order_per_day
FROM

(SELECT
    orders.date, SUM(order_details.quantity) AS total_order
FROM
    order_details
JOIN orders ON order_details.order_id = orders.order_id
GROUP BY orders.date
ORDER BY total_order DESC) AS order_quantity;
```

Q10 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;
```



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