Pizza Sales Project

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Introduction to the Project

Hello!

My name is Nisha Yadav .I have made this sql project in which I utilised SQL Queries to solve questions that were related to pizza sales

QUERY 1
Retrieve the total number of orders placed.

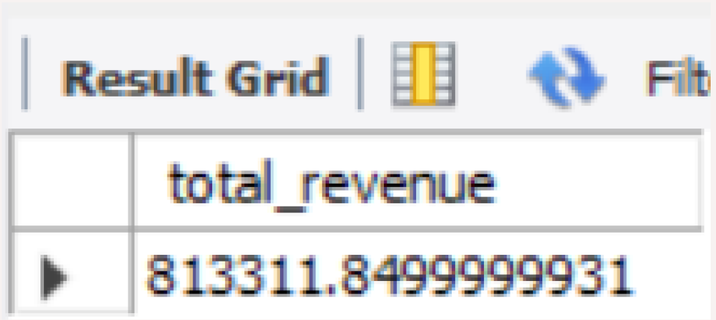
```
select count(order_id) from orders;
```

Result Grid

	count(order_id)
▶	3104

QUERY 2
Calculate total revenue generated from pizzasales

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



QUERY 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 Rc

	name	price
▶	The Greek Pizza	35.95

QUERY 4
Identify the most common pizza size ordered

```
SELECT
    pizzas.size, COUNT(order_deatils.order_details_id)
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

QUERY 5
List the five most ordered pizza size along with their quantity

```
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 order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

Result Grid | Filter Rows:

name	quantity
The Classic Deluxe Pizza	2447
The Pepperoni Pizza	2434
The Barbecue Chicken Pizza	2403
The Hawaiian Pizza	2402
The California Chicken Pizza	2356

QUERY 6
Join the neccesary 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
limit 5;
```

Result Grid | Filt

	category	quantity
▶	Classic	14841
	Supreme	11916
	Veggie	11599
	Chicken	10964

QUERY 7
Determine the distributon of orders by hours of the day

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

Result Grid | Filt

hour	order_count
11	180
12	355
13	339
14	269
15	216

QUERY 8
Join Relevant tables to find the category wise distribution of pizzas

```
SELECT category ,count(name) from pizza_types
group by category;
```

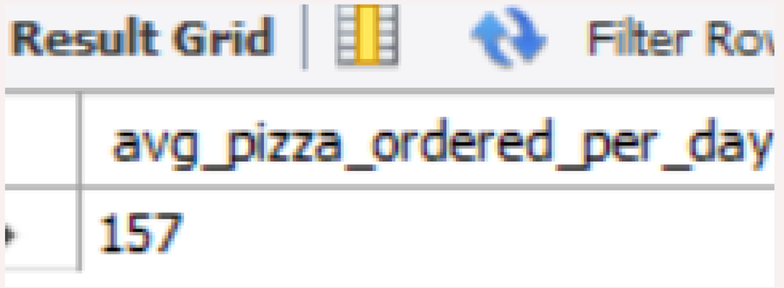
Result Grid | Filter Row

category	count(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9

QUERY 9

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

```
SELECT
    ROUND(AVG(quantity), 0) 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;
```



QUERY 10
Determine the top 3 most ordered pizza types based on revenue

```sql
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:

name	revenue
The Thai Chicken Pizza	43065.75
The Barbecue Chicken Pizza	42310.25
The California Chicken Pizza	41071

Thank You!