

PAPA JOHNS PIZZA



INTRODUCTION

Hi there, in this project I have utilized SQL queries to solve questions related to pizza sales.

1. RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED

```
SELECT
```

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

```
FROM
```

```
orders;
```

Result Grid | 

	total_orders
▶	21350

2. CALCULATE TOTAL REVENUE GENERATED FROM PIZZA SALES

```
SELECT
```

```
    ROUND(SUM(od.quantity * p.price), 2) AS total_revenue
```

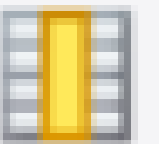
```
FROM
```

```
    order_details AS od
```

```
    INNER JOIN
```

```
    pizzas AS p ON od.pizza_id = p.pizza_id;
```

Result Grid



	total_revenue
▶	817860.05

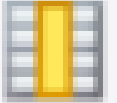

3. IDENTIFY THE HIGHEST PRICED PIZZA

```
SELECT
    pt.name, p.price
FROM
    pizza_types AS pt
    INNER JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
ORDER BY p.price DESC
LIMIT 1;
```

Result Grid			Filter Rows:
	name	price	
▶	The Greek Pizza	35.95	

4. IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

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

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

5. LIST TOP 5 ORDERED PIZZAS AND THEIR QUANTITIES

```
SELECT
    pt.name, SUM(od.quantity) AS quantity
FROM
    pizza_types AS pt
    INNER JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
    INNER JOIN
    order_details AS od ON p.pizza_id = od.pizza_id
GROUP BY pt.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

6. FIND TOTAL QUANTITY OF EACH PIZZA CATEGORY

```
SELECT
    pt.category AS category, SUM(od.quantity) AS quantity
FROM
    pizza_types AS pt
    INNER JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
    INNER JOIN
    order_details AS od ON p.pizza_id = od.pizza_id
GROUP BY category
ORDER BY quantity DESC;
```

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

7. DETERMINE COUNT OF ORDERS BY HOURS OF THE DAY

```
SELECT
```

```
    HOUR(ordertime) AS hour, COUNT(order_id) order_count
```

```
FROM
```

```
    orders
```

```
GROUP BY hour
```

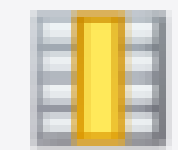
```
order by hour;
```

hour	order_count
9	1
10	8
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

8. JOIN RELEVANT TABLES TO FIND CATEGORY WISE DISTRIBUTION OF PIZZA

```
SELECT  
    category, COUNT(name) AS count  
FROM  
    pizza_types  
GROUP BY category  
ORDER BY count DESC;
```

Result Grid

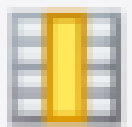


	category	count
	Supreme	9
	Veggie	9
	Classic	8
	Chicken	6

9. GROUP THE ORDERS BY DATE & CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY

```
SELECT
    ROUND(AVG(quantity), 0) AS orders_per_day
FROM
    (SELECT
        o.orderdate AS day, SUM(od.quantity) AS quantity
    FROM
        orders AS o
    INNER JOIN order_details AS od ON o.order_id = od.orderid
    GROUP BY day) AS order_quantity;
```



Result Grid



	orders_per_day
▶	138

10. TOP 3 MOST ORDERED PIZZAS BASED ON REVENUE

```
SELECT
    pt.name, SUM(od.quantity * p.price) AS revenue
FROM
    pizza_types AS pt
    INNER JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
    INNER JOIN
    order_details AS od ON p.pizza_id = od.pizza_id
GROUP BY pt.name
ORDER BY revenue DESC
LIMIT 3;
```

Result Grid   Filter Rows: <input type="text"/>		
	name	revenue
▶	The Thai Chicken Pizza	43434.2
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

11. CALCULATE THE % CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

12. DETERMINE THE TOP 3 MOST ORDERED PIZZAS BASED ON REVENUE FOR EACH PIZZA CATEGORY

	rank	name	category	revenue
▶	1	The Chicken Pesto Pizza	Chicken	16702
	2	The Chicken Alfredo Pizza	Chicken	16900
	3	The Southwest Chicken Pizza	Chicken	34706
	1	The Pepperoni, Mushroom, and Peppers Pizza	Classic	18834
	2	The Big Meat Pizza	Classic	22968
	3	The Napolitana Pizza	Classic	24087
	1	The Brie Carre Pizza	Supreme	11588
	2	The Spinach Supreme Pizza	Supreme	15278
	3	The Calabrese Pizza	Supreme	15934
	1	The Green Garden Pizza	Veggie	13956
	2	The Mediterranean Pizza	Veggie	15360
	3	The Spinach Pesto Pizza	Veggie	15596