



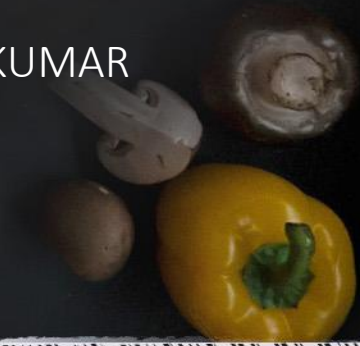
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# SALES REPORT ON PIZZA

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We would like to offer you a stylish and reasonable presentation that  
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-ANIKET KUMAR







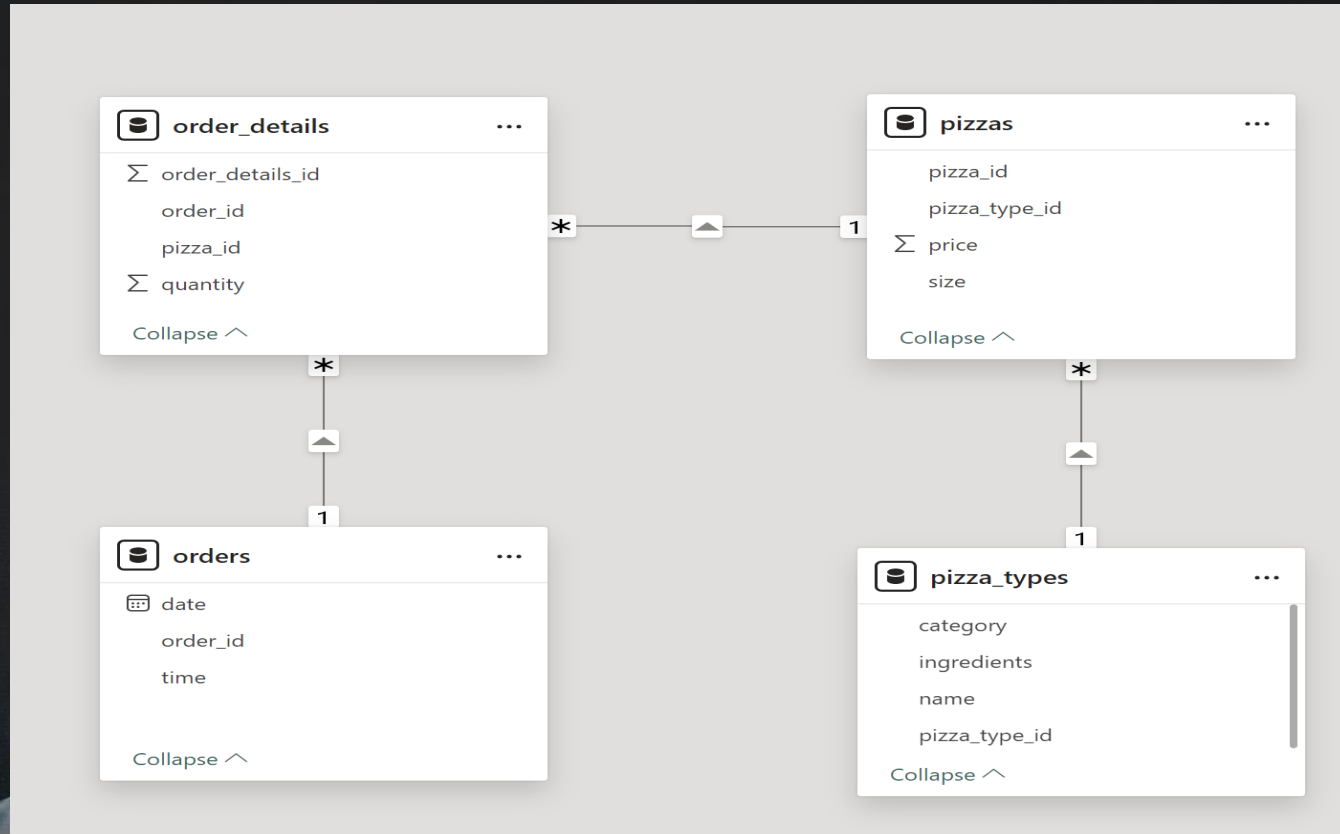
# CONTENTS

Welcome to Our Pizza Sales Report Using SQL. In this project, I have utilized SQL Queries to solve questions related to Pizza Sales. The questions are given below.

- 1) Retrieve the total number of orders placed.
- 2) Calculate the total Revenue generated from the pizza sales.
- 3) Identified the highest price pizza.
- 4) identified the most common pizza size ordered.
- 5) List the top 5 most ordered pizza types along with their quantities.
- 6) join the necessary tables to find the total quantity of each pizza category.
- 7) determine the distribution of orders by an hour of the day.
- 8) Join the relevant tables to find the category-wise distribution of pizzas.
- 9) Group by order by date and calculate the average number of pizzas ordered by per day.
- 10) Determine the top 3 most ordered pizzas type based on revenue.
- 11) Calculate the percentage contribution of each pizza type (name or category) to total revenue timestamp.
- 12) Analyze the cumulative revenue generated over time.
- 13) Determine the top 3 most ordered pizzas types based on revenue for each pizza category.



# DATABASE SCHEMA



# 1) Retrieve the total number of orders placed.



```
-- Retrieve the total number of orders placed.
```

```
SELECT
```

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

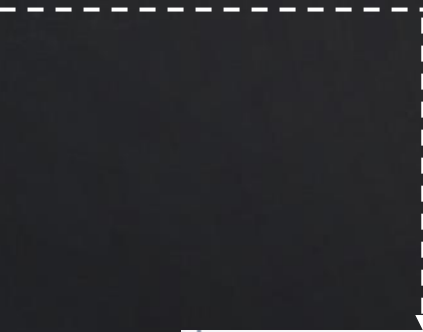
```
FROM
```

```
orders;
```

	total_orders
▶	21350

## 2) Calculate the total Revenue generated from the pizza sales.

```
-- Calculate the total revenue generated from pizza sales.  
  
SELECT  
    ROUND(SUM(od.quantity * p.price), 2) AS total_sales  
FROM  
    orders_details od  
    JOIN  
    pizzas p ON od.pizza_id = p.pizza_id;
```




	total_sales
▶	817860.05





### 3) Identify the highest price pizza.

```
-- Identify the highest-priced pizza.  
  
SELECT  
    pt.name, p.price AS highest_price  
FROM  
    pizza_types pt  
    JOIN  
    pizzas p ON pt.pizza_type_id = p.pizza_type_id  
ORDER BY p.price DESC  
LIMIT 1;
```



	name	highest_price
▶	The Greek Pizza	35.95



## 4) Identify the most common pizza size ordered



```
-- Identify the most common pizza size ordered.

SELECT
    p.size, COUNT(od.order_details_id) AS order_count
FROM
    orders_details od
    JOIN
    pizzas p ON od.pizza_id = p.pizza_id
GROUP BY p.size
ORDER BY order_count DESC
LIMIT 1;
```

	size	most_ordered
▶	L	18526

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



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

```
SELECT
```

```
    pz.name, SUM(od.quantity) AS total_quantities
```

```
FROM
```

```
    pizza_types pz
```

```
    JOIN
```

```
    pizzas p ON pz.pizza_type_id = p.pizza_type_id
```

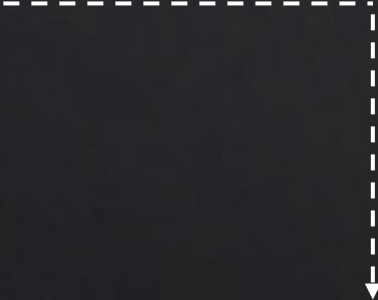
```
    JOIN
```

```
    orders_details od ON od.pizza_id = p.pizza_id
```

```
GROUP BY pz.name
```

```
ORDER BY total_quantities DESC
```

```
LIMIT 5;
```



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



## 6) join the necessary tables to find the total quantity of each pizza category



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

```
SELECT
```

```
    pz.category, SUM(od.quantity) AS quantity
```

```
FROM
```

```
    pizza_types pz
```

```
    JOIN
```

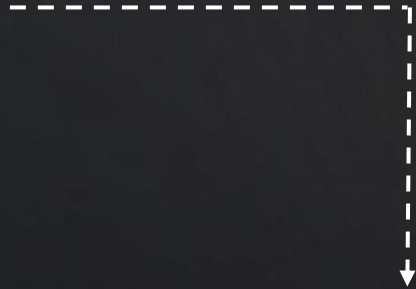
```
    pizzas p ON pz.pizza_type_id = p.pizza_type_id
```

```
    JOIN
```

```
    orders_details od ON p.pizza_id = od.pizza_id
```

```
GROUP BY pz.category
```

```
ORDER BY quantity DESC;
```



	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

## 7) determine the distribution of orders by an hour of the day

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

```
SELECT
```


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

```
FROM
```

```
    orders
```

```
GROUP BY HOUR(order_time)
```

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



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

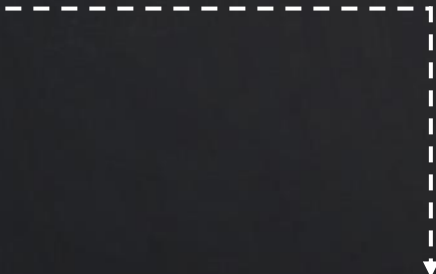
```
SELECT
```

```
    category, COUNT(name)
```

```
FROM
```

```
    pizza_types
```

```
GROUP BY category;
```



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

## 9) Group by order by date and calculate the average number of pizzas ordered by per day



```
-- Group the orders by date and calculate the average number of pizzas ordered per day.  
SELECT  
    ROUND(AVG(quantity), 0) AS average_ordered_pizza_per_day  
FROM  
    (SELECT  
        o.order_date, SUM(od.quantity) AS quantity  
    FROM  
        orders o  
    JOIN orders_details od ON o.order_id = od.order_id  
    GROUP BY o.order_date) AS order_quantity;
```

	average_ordered_pizza_per_day
▶	138



# 10) Determine the top 3 most ordered pizzas type based on revenue



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

```
SELECT
```

```
    pz.name, ROUND(SUM(od.quantity * p.price), 2) AS revenue
```

```
FROM
```

```
    pizza_types pz
```

```
    JOIN
```

```
    pizzas p ON pz.pizza_type_id = p.pizza_type_id
```

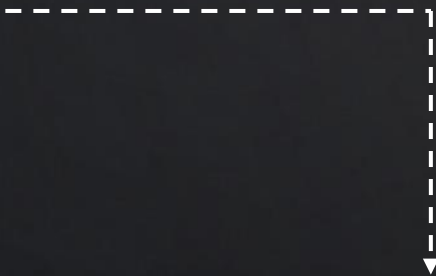
```
    JOIN
```

```
    orders_details od ON od.pizza_id = p.pizza_id
```

```
GROUP BY pz.name
```

```
ORDER BY revenue DESC
```

```
LIMIT 3;
```



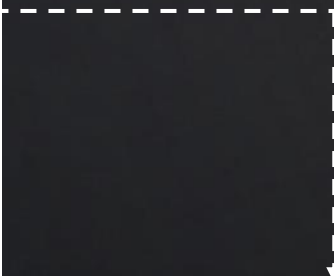
	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

# 11) Calculate the percentage contribution of each pizza type (name or category) to total revenue timestamp



```
-- Calculate the percentage contribution of each pizza type to total revenue.

SELECT
  pz.category,
  ROUND((SUM(od.quantity * p.price) / (SELECT
    ROUND(SUM(od.quantity * p.price), 2) AS total_sales
  FROM
    orders_details od
    JOIN
    pizzas p ON od.pizza_id = p.pizza_id)) * 100,
  2) AS revenue
FROM
  pizza_types pz
  JOIN
  pizzas p ON pz.pizza_type_id = p.pizza_type_id
  JOIN
  orders_details od ON od.pizza_id = p.pizza_id
GROUP BY pz.category
ORDER BY revenue DESC
```



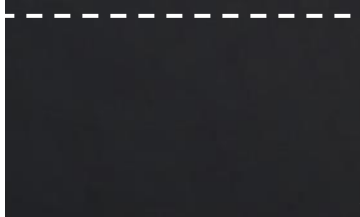
	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68



## 12) Analyze the cumulative revenue generated over time



```
-- Analyze the cumulative revenue generated over time.
select order_date,round(sum(revenue) over (order by order_date),2) as cumulative_revenue
from
(SELECT
    o.order_date,
    sum(od.quantity * p.price) as revenue
  from orders_details od join pizzas p on
    od.pizza_id = p.pizza_id
  join orders o on o.order_id = od.order_id
  group by o.order_date) as sales;
```



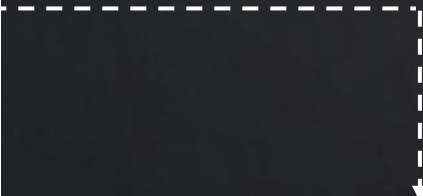
	order_date	cumulative_revenue
▶	2015-01-01	2713.85
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.35
	2015-01-11	25862.65
	2015-01-12	27781.7
	2015-01-13	29831.3
	2015-01-14	32358.7
	2015-01-15	34343.5
	2015-01-16	36937.65
	2015-01-17	39001.75
	2015-01-18	40978.6

# 13) Determine the top 3 most ordered pizzas type based on revenue for each pizza category



```
-- Determine the top 3 most ordered pizza types based on revenue for each pizza category.
```

```
SELECT name , revenue
FROM
(SELECT
  category, name, revenue,
  RANK() OVER(PARTITION BY category ORDER BY revenue DESC) AS rank_
FROM
  (SELECT pz.category, pz.name, SUM(od.quantity * p.price) AS revenue
   FROM pizza_types pz
   JOIN
     pizzas p ON pz.pizza_type_id = p.pizza_type_id
   JOIN
     orders_details od ON od.pizza_id = p.pizza_id
   GROUP BY pz.category,pz.name) AS an) AS bn
WHERE rank_<=3;
```



	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25
	The Pepperoni Pizza	30161.75
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Sicilian Pizza	30940.5
	The Four Cheese Pizza	32265.700000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5





THANK  
YOU