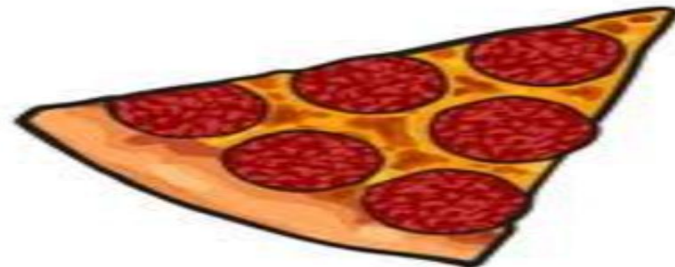# PIZZA SALES ANALYSIS USING SQL

ABOUT THIS PROJECT

- This project aims to get sales analysis done by answering some key questions using SQL queries. The queries used under this project range from easy to hard level.

- **ABOUT THE DATA**

- This project involves around The pizza sale database which has 4 tables namely- orders, order_ details, pizza_ details, customer_ details.

- # IDENTIFY THE TOTAL SALES PER PIZZA

```sql
SELECT p.pizza_name, p.size, SUM(o.quantity) AS total_quantity_sold, SUM(o.price * o.quantity) AS total_revenue
FROM Order_Items_table o
JOIN Pizza_table p on o.pizza_id = p.pizza_id
GROUP BY p.pizza_name, p.size
ORDER BY total_revenue DESC;
```

	size	total_sold
▶	Small	2
	Medium	2
	Large	2
	Medium	3

Result Grid | Filter Rows:

• TOTAL SALES PER CUSTOMER

```sql
SELECT c.customer_name, SUM(o.total_price) AS total_spent
FROM Order_table o
JOIN Customer_table c ON o.customer_id = c.customer_id
GROUP BY c.customer_name
ORDER BY total_spent DESC;
```

Result Grid | Filter Rows:

	customer_name	total_spent
▶	John Doe	19.979999542236328
	David Wilson	18.989999771118164
	Jane Smith	15.989999771118164
	Emily Davis	14.989999771118164
	Michael Brown	12.989999771118164

- # MOST POPULAR PIZZA

```
91 •    SELECT p.pizza_name, SUM(o.quantity) AS total_sold
92      FROM order_items_table o
93      JOIN pizza_table p ON o.pizza_id = p.pizza_id
94      GROUP BY p.pizza_name
95      ORDER BY total_sold DESC
96      LIMIT 1;
```

	pizza_name	total_sold
▶	Margherita	3

- # SALES BY PIZZA SIZE

```
100 • SELECT p.size, SUM(o.quantity) AS total_sold
101    FROM order_items_table o
102    JOIN pizza_table p ON o.pizza_id = p.pizza_id
103    GROUP BY p.size;
104
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

pizza_name	size	total_quantity_sold	total_revenue
Margherita	Medium	2	17.979999542236328
Pepperoni	Large	1	14.989999771118164
Margherita	Large	1	12.989999771118164
BBQ Chicken	Medium	1	11.989999771118164
Pepperoni	Medium	1	10.989999771118164
Veggie Deligh	Medium	1	9.989999771118164
Pepperoni	Small	1	6.989999771118164
Margherita	Small	1	5.989999771118164

- CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES

```sql
select round(sum(o.quantity * p.price)) as total_sales
from order_items_table o join pizza_table p
on p.pizza_id= o.pizza_id;
```

Result Grid	Filter Ro
total_sales
▶	82

TOTAL NUMBER OF ORDERS PLACED


```sql
select round(sum(o.quantity)) as total_order_placed
from order_items_table o join pizza_table p
on p.pizza_id= o.pizza_id;
```

Result Grid	Filter Rows:
	total_order_placed
▶	9