



# **SQL PROJECT ON PIZZA SALES**



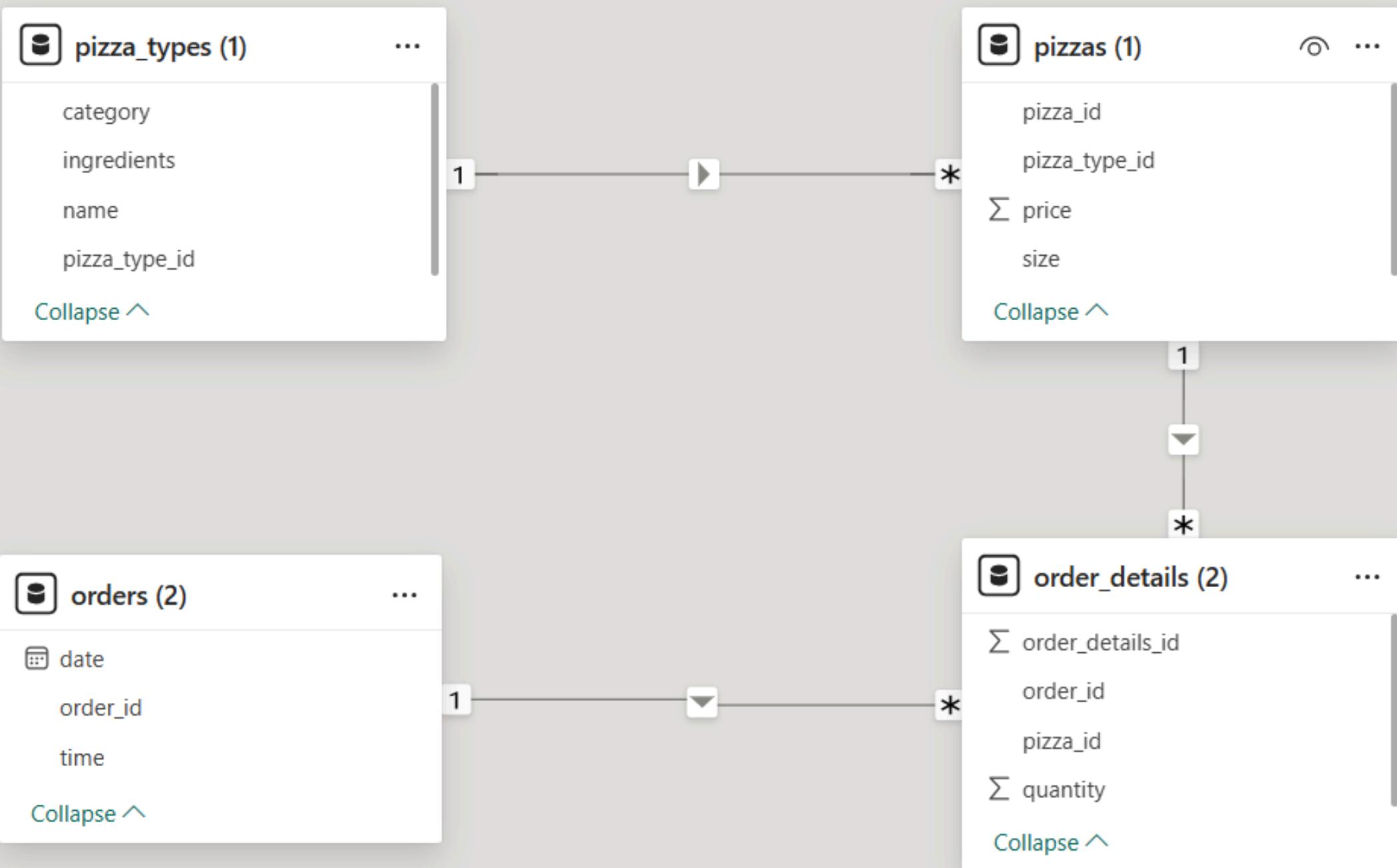
# **HELLO**

***MY NAME IS CHAITANYA SATPUTE  
AND IN THIS PROJECT, I WORKED ON  
PIZZA SALES DATASET USING  
ORACLE SQL. I HAVE SUCCESSFULLY  
SOLVE ALL THE GIVEN PROJECT  
QUESTIONS USING PROPER ORACLE  
SQL QUERIES WITH ACCURATE***





# *power bi data model schema*



- *Retrieve the total number of orders placed*

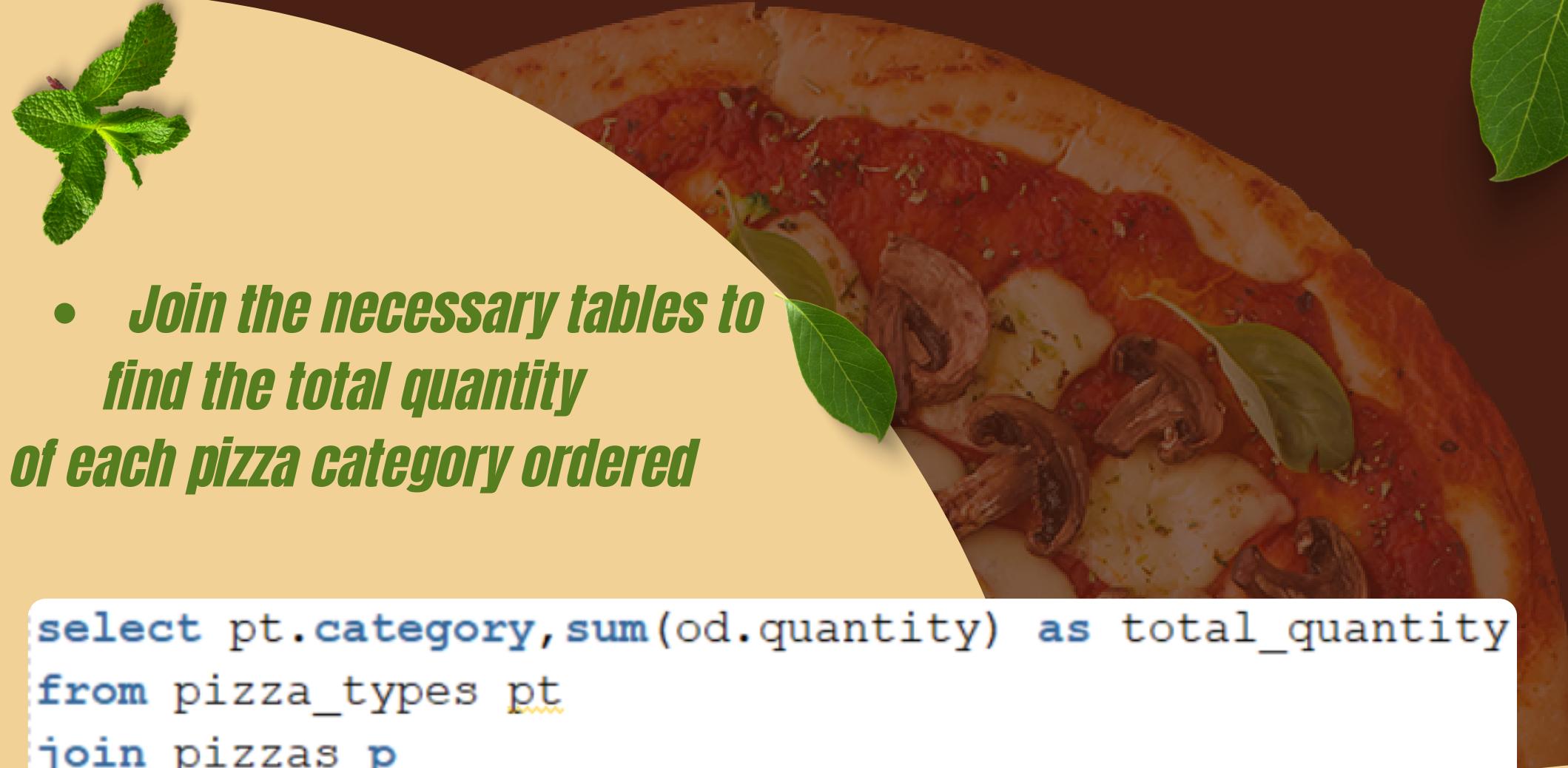
```
select  
count(order_id) as total_orders  
from orders;
```

TOTAL_ORDERS	
1	9999

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

```
SELECT pt.name, SUM(od.quantity) AS total_quantity
FROM order_details od
JOIN pizzas p
ON od.pizza_id = p.pizza_id
JOIN pizza_types pt
ON p.pizza_type_id = pt.pizza_type_id
GROUP BY pt.pizza_type_id, pt.name
ORDER BY total_quantity DESC
FETCH FIRST 5 ROWS ONLY;
```

NAME	TOTAL_QUANTITY
1 The Pepperoni Pizza	527
2 The Barbecue Chicken Pizza	515
3 The California Chicken Pizza	499
4 The Hawaiian Pizza	489
5 The Thai Chicken Pizza	465



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

```
select pt.category, sum(od.quantity) as total_quantity
from pizza_types pt
join pizzas p
on pt.pizza_type_id=p.pizza_type_id
join order_details od
on od.pizza_id=p.pizza_id
group by pt.category;
```

CATEGORY	TOTAL_QUANTITY
1 Chicken	2252
2 Classic	3022
3 Veggie	2463
4 Supreme	2453

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

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

category	count(name)
1 Chicken	6
2 Classic	8
3 Veqqie	9
4 Supreme	9



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

```
SELECT ROUND (AVG (COUNT (OD.ORDER_DETAILS_ID)) ,2) AS AVG_PER_DAY  
FROM ORDERS O  
JOIN ORDER_DETAILS OD  
ON O.ORDER_ID=OD.ORDER_ID  
GROUP BY O.DATEEE;
```

	AVG_PER_DAY
1	135.12



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

```
SELECT PT.CATEGORY,  
ROUND(SUM(P.PRICE*OD.QUANTITY)*100/  
      (SELECT SUM(P.PRICE*OD.QUANTITY) FROM PIZZAS P  
       JOIN ORDER_DETAILS OD ON P.PIZZA_ID=OD.PIZZA_ID),2) AS PERCENT_REVENUE  
FROM PIZZA_TYPES PT  
JOIN PIZZAS P ON PT.PIZZA_TYPE_ID=P.PIZZA_TYPE_ID  
JOIN ORDER_DETAILS OD ON P.PIZZA_ID=OD.PIZZA_ID  
GROUP BY PT.CATEGORY
```

	CATEGORY	PERCENT_REVENUE
1	Chicken	23.77
2	Classic	26.49
3	Veqqie	24.44
4	Supreme	25.29



- ***Identify the most common pizza size ordered***

```
SELECT P.SIZEE,COUNT(OD.ORDER_DETAILS_ID) AS SIZE_ORDERED  
FROM PIZZAS P  
JOIN ORDER_DETAILS OD  
ON P.PIZZA_ID=OD.PIZZA_ID  
GROUP BY P.SIZEE  
ORDER BY SIZE_ORDERED DESC;
```

	SIZEE	SIZE_ORDERED
1	L	3859
2	M	3076
3	S	2953
4	XL	105
5	XXL	6

- *Identify the highest priced pizza*

```
SELECT PT.NAME, P.PRICE  
FROM PIZZA_TYPES PT  
JOIN PIZZAS P  
ON PT.PIZZA_TYPE_ID=P.PIZZA_TYPE_ID  
ORDER BY P.PRICE DESC  
FETCH FIRST 1 ROWS ONLY;
```

	NAME	PRICE
1	The Greek Pizza	35.95



- ***Calculate the total revenue generated from pizza sales***

```
SELECT SUM(P.PRICE*OD.QUANTITY) AS TOTAL_REVENUE  
FROM PIZZAS P  
JOIN ORDER_DETAILS OD  
ON OD.PIZZA_ID=P.PIZZA_ID;
```

TOTAL_REVENUE	
1	167902.85



- *Determine the distribution of orders by hour of the day*

```
SELECT SUBSTR(O.TIME,1,2) AS HOURS,COUNT(OD.ORDER_DETAILS_ID) AS ORDER_COUNT
FROM ORDERS O JOIN ORDER_DETAILS OD
ON O.ORDER_ID= OD.ORDER_ID
GROUP BY SUBSTR(O.TIME,1,2) ORDER BY SUBSTR(O.TIME,1,2);
```

1

	HOURS	ORDER_COUNT
1	10	2
2	11	519
3	12	1381
4	13	1262
5	14	822
6	15	651
7	16	823
8	17	1108
9	18	1087
10	19	840
11	20	726
12	21	518
13	22	249
14	23	11