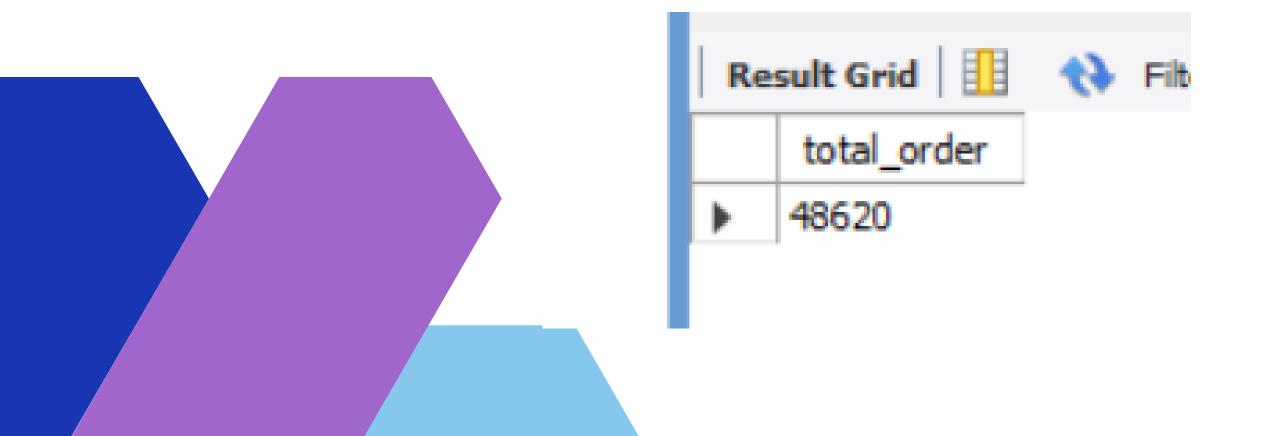
SALES PRESENTATION BY SQL QUERIES

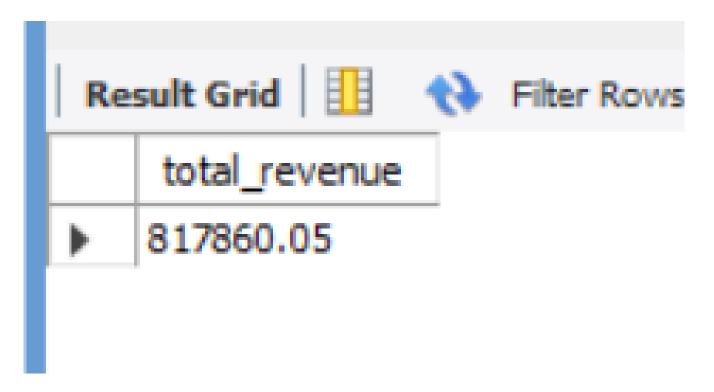
1.Retrieve the total number of orders placed.

```
SELECT
     COUNT(order_id) AS total_order
FROM
     orders;
```



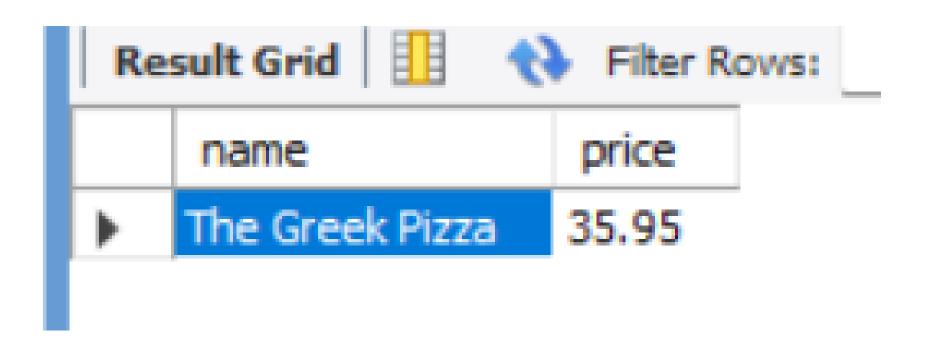
2.Calculate the total revenue generated from pizza sales.

```
SELECT
    ROUND(SUM(o.quantity * p.price), 2) AS total_revenue
FROM
    order_detail o
        JOIN
    pizzas p ON o.pizza_id = p.pizza_id;
```

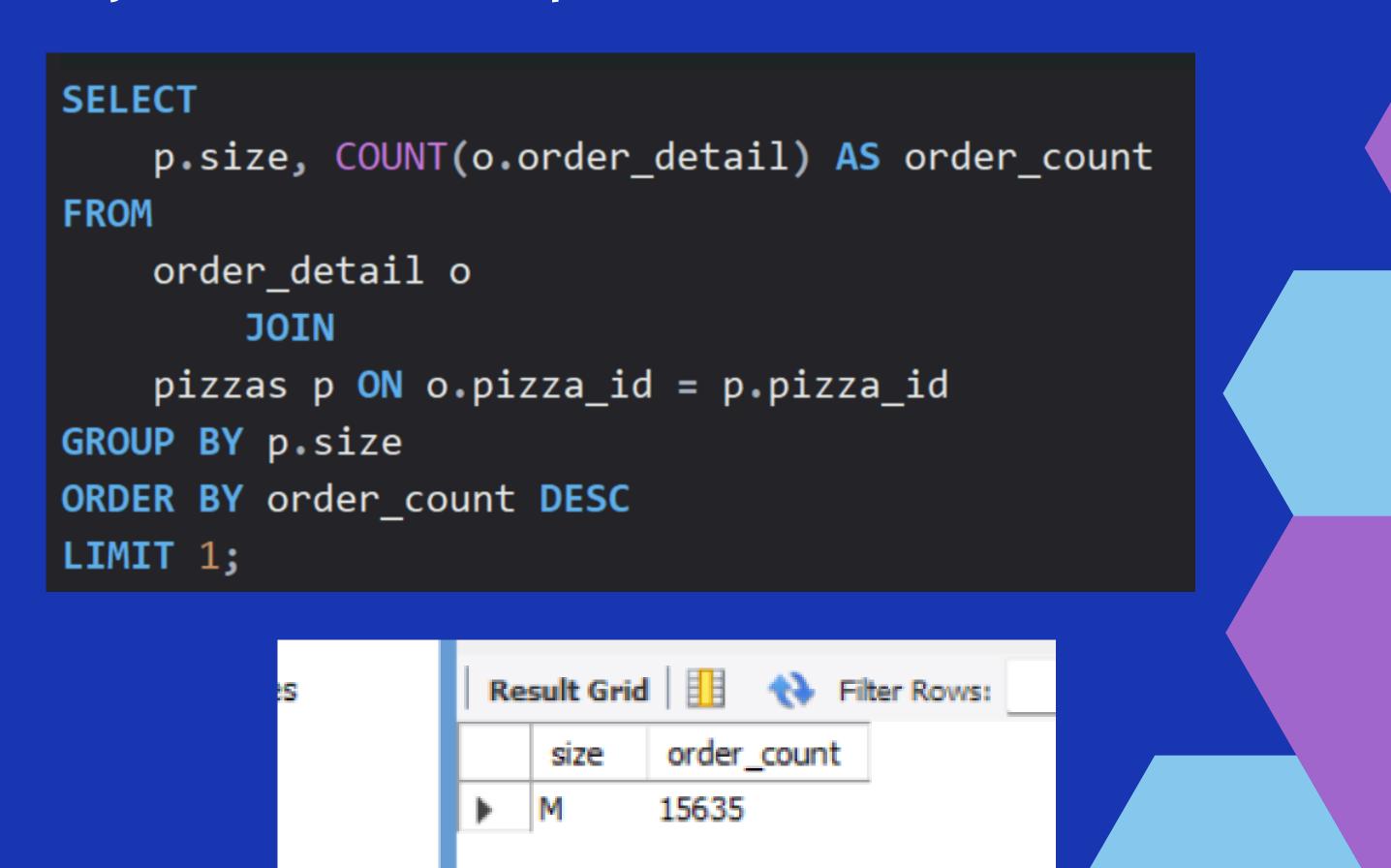


3.Identify the highest-priced pizza.

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

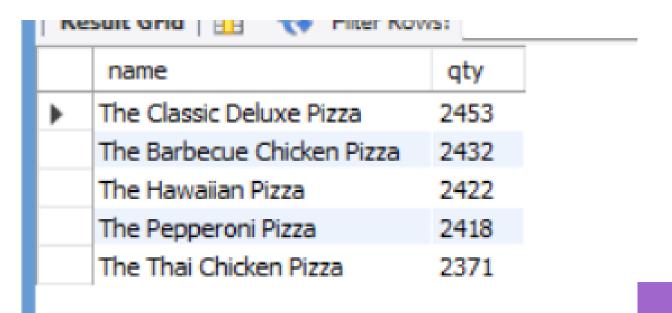


4. Identify the most common pizza size ordered.



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

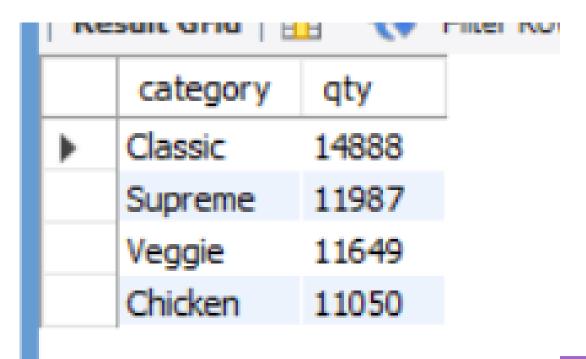
```
SELECT
   pt.name, SUM(o.quantity) AS qty
FROM
   order_detail o
        JOIN
   pizzas p ON p.pizza_id = o.pizza_id
        JOIN
   pizza_types pt ON pt.pizza_type_id = p.pizza_type_id
GROUP BY pt.name
ORDER BY qty DESC
LIMIT 5;
```





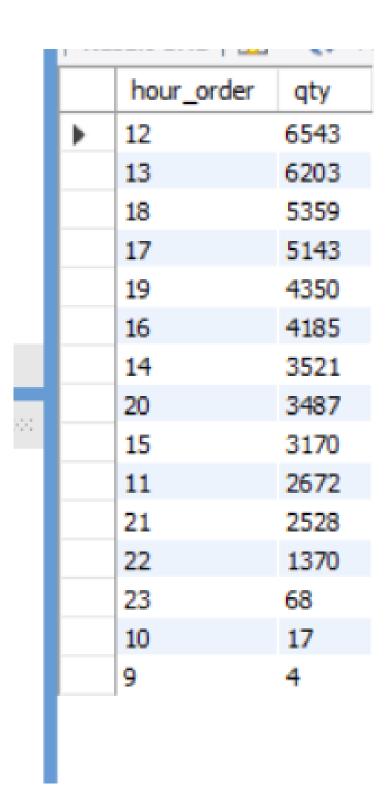
6.Join the necessary tables to find the total quantity of each pizza category ordered.

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



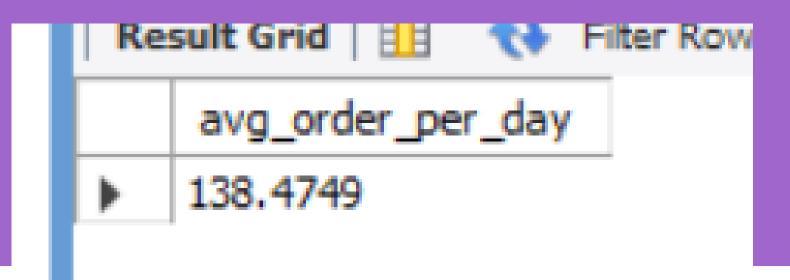
7.Determine the distribution of orders by hour of the day.

```
SELECT
   HOUR(order_time) AS hours, COUNT(order_id) AS count
FROM
   orders
GROUP BY hours
ORDER BY count DESC;
```



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

```
SELECT
    AVG(count) AS avg per day count
FROM
    (SELECT
        order_date, SUM(od.quantity) AS count
    FROM
        order_detail od
    JOIN orders o ON od.order id = o.order id
    GROUP BY order_date) day_count;
```



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

```
SELECT
    pt.name, SUM(p.price * od.quantity) AS revenue
FROM
    order_detail 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.name
ORDER BY revenue DESC
LIMIT 3;
```

Result Grid 11				
	name	revenue		
•	The Thai Chicken Pizza	43434.25		
	The Barbecue Chicken Pizza	42768		
	The California Chicken Pizza	41409.5		

10.Calculate the percentage contribution of each pizza category to total revenue.

```
SELECT pt.category, round(SUM(p.price * od.quantity),2) AS revenue,
ROUND(SUM(p.price * od.quantity)*100 / SUM(SUM(p.price * od.quantity)) OVER (), 2) AS rev_percent
FROM order_detail 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.category
ORDER BY revenue DESC;
```

	category	revenue	rev_percent
•	Classic	220053.1	26.91
	Veggie	193690.45	23.68
	Supreme	208197	25.46
	Chicken	195919.5	23.96

11.Analyze the cumulative revenue generated over time.

```
SELECT order_date,SUM(revenue) OVER (ORDER BY order_date) AS cum_revenue

FROM (SELECT o.order_date,SUM(od.quantity * p.price) AS revenue

FROM order_detail od

JOIN pizzas p ON od.pizza_id = p.pizza_id

JOIN orders o ON od.order_id = o.order_id

GROUP BY o.order_date) AS sales_rev;
```

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order_date	cum_revenue
2015-01-01	2713.8500000000004
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	23990.350000000002
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.300000000003
2015-01-14	32358.700000000004
2015-01-15	34343.50000000001
2015-01-16	36937.65000000001
2015-01-17	39001.75000000001
2015-01-18	40978.600000000006
2015-01-19	43365.75000000001
2015-01-20	45763.65000000001
2015-01-21	47804.20000000001
2015-01-22	50300.90000000001
2015-01-23	52724.600000000006
2015-01-24	55013.850000000006
2015-01-25	56631.40000000001
2015-01-26	58515.80000000001
2015-01-27	61043.85000000001

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

Result Grid							
	category	name	rnk				
•	Chicken	The Thai Chicken Pizza	1				
	Chicken	The Barbecue Chicken Pizza	2				
	Chicken	The California Chicken Pizza	3				
	Classic	The Classic Deluxe Pizza	1				
	Classic	The Hawaiian Pizza	2				
	Classic	The Pepperoni Pizza	3				
	Supreme	The Spicy Italian Pizza	1				
	Supreme	The Italian Supreme Pizza	2				
	Supreme	The Sicilian Pizza	3				
	Veggie	The Four Cheese Pizza	1				
	Veggie	The Mexicana Pizza	2				
	Veggie	The Five Cheese Pizza	3				

THANKS MADE BY SURJEET