PIZZA HUT-SELL

Hi, I am Amit.in this project I have utilise to solve the problems in SQL related to pizza sell.

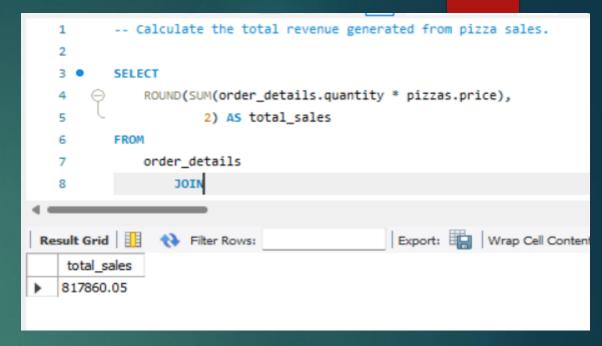


QUESTIONS

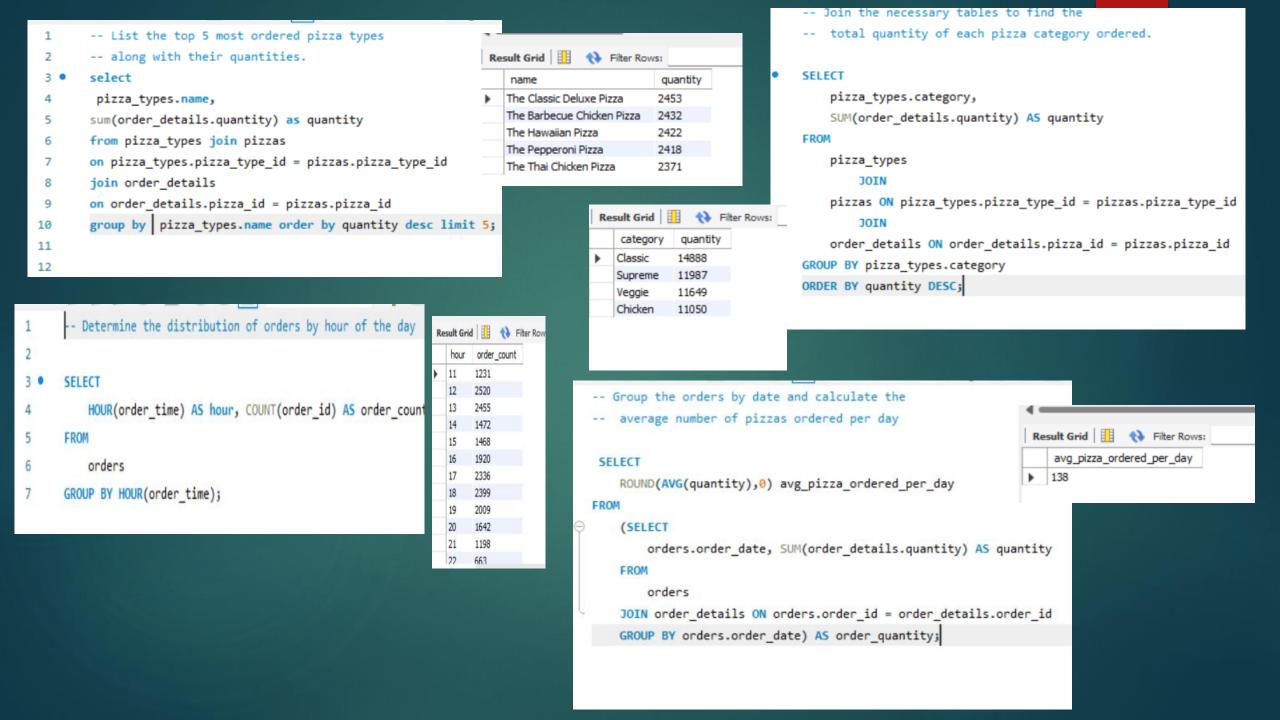
- 1. Retrieve the total number of orders places
- 2. Calculate the total revenue generated from pizza sales.
- 3. Identity the highest-priced pizza.
- 4. Identify the most common pizza size ordered.
- 5. List the top 5 most ordered pizza types along with their quantities.

- 6. Join the necessary tables to find the total quantity of each pizza category ordere
- 7. Determine the distribution of orders by hour of the day.
- 8. Group the orders by date and calculate the average number of pizzas ordered per day...
- 9. Determine the top 3 most ordered pizza types based on revenue.
- 10. Calculate the percentage contribution of each pizza type to total revenue.
- 11. Analyze the cumulative revenue generated over time.
- 12. Determine the top 3 most ordered pizza types based on revenue for each pizza category









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

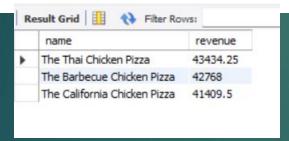
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS revenue

FROM
    pizza_types
        JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id

GROUP BY pizza_types.name

ORDER BY revenue DESC

LIMIT 3;
```



Result Grid Filter Rows:

Classic

Supreme

Chicken

Veggie

revenue

26.90596025566967

25.45631126009862 23.955137556847287

23.682590927384577

```
-- Analyze the cumulative revenue generated over time.

select order_date,
sum(revenue) over(order by order_date) as cum_revenue
from

(select orders.order_date,
sum(order_details.quantity * pizzas.price) as revenue
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id
join orders
on orders.order_id = order_details.order_id
group by orders.order_date) as sales;
```

-- 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 rn from
(select pizza_types.category, pizza_types.name, sum((order_details.quantity) * pizzas.price) as revenue from pizza_types join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id join order_details on order_details.pizza_id = pizzas.pizza_id group by pizza_types.category, pizza_types.name) as a) as b where rn <= 3;

Result Grid		
	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
-	ult d	

	name	revenue
٠	The Five Cheese Pizza	26066.5
	The Mexicana Pizza	26780.75
	The Pepperoni Pizza	30161.75
	The Sicilian Pizza	30940.5
	The Four Cheese Pizza	32265.70000000065
	The Hawaiian Pizza	32273.25
	The Italian Supreme Pizza	33476.75
	The Spicy Italian Pizza	34831.25
	The Classic Deluxe Pizza	38180.5
	The California Chicken Pizza	41409.5
	The Barbecue Chicken Pizza	42768
	The Thai Chicken Pizza	43434.25