Pizza Sales Analysis

SQL Project

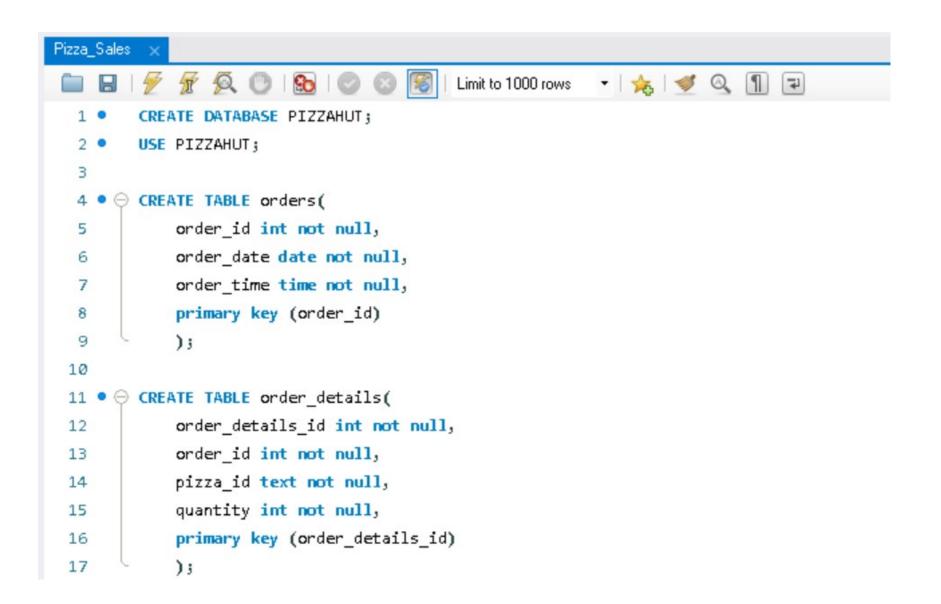
This project focuses on analyzing pizza sales data using SQL via XAMPP (MySQL). The goal is to extract meaningful business insights from order data.

Tools Used

SQL XAMPP

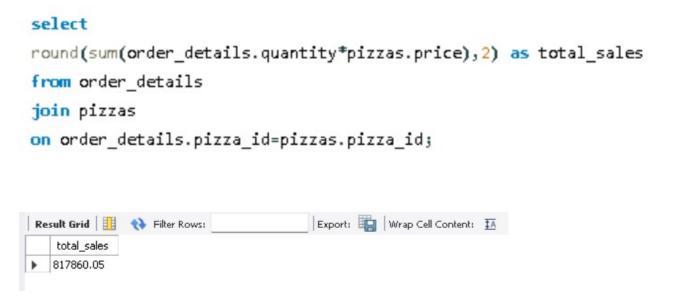
Conclusion

Data cleaning and joining Sales and time-based analysis Revenue and performance tracking

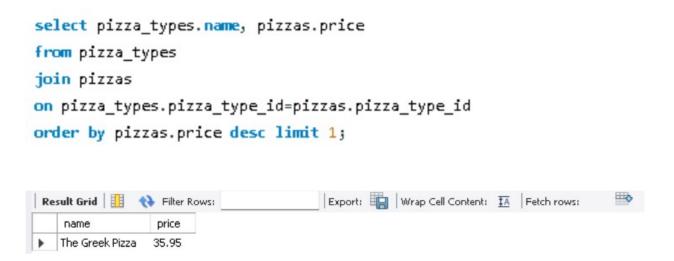


(01) Retrieve the total number of orders placed.

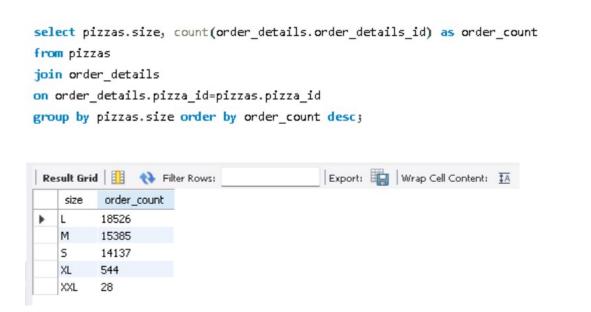
(02) Calculate the total revenue generated from pizza sales.



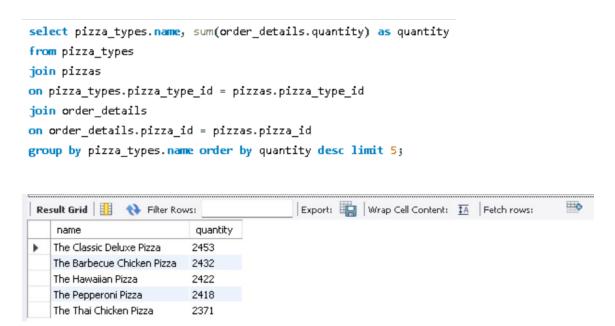
(03) Identify the highest-priced pizza.



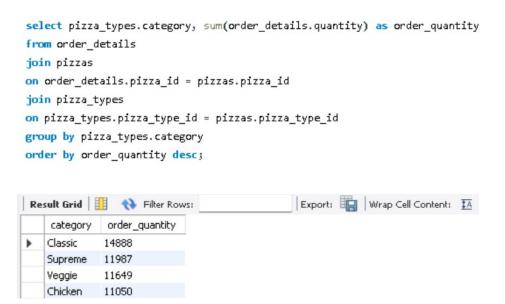
(04) Identify the most common pizza size ordered.



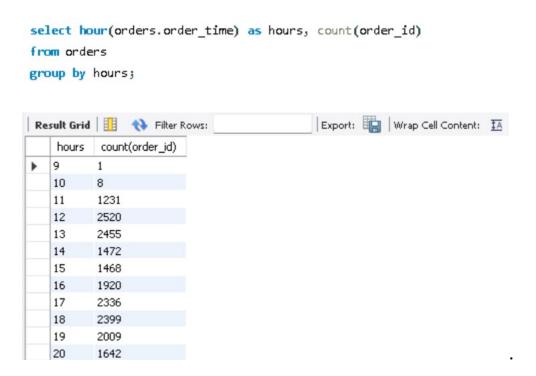
(05) List the top 5 most ordered pizza types along with their quantities.



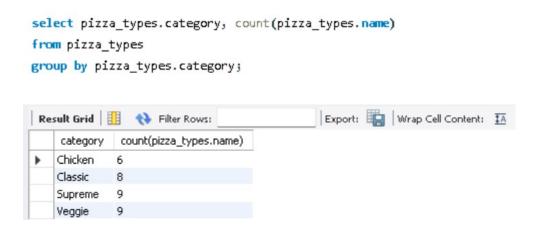
(06) Join the necessary tables to find the total quantity of each pizza category ordered.



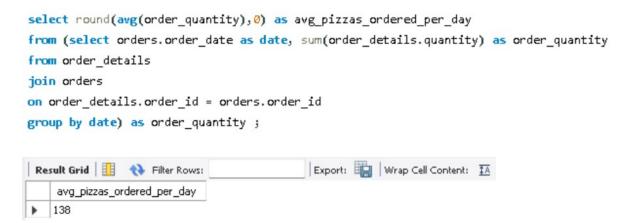
(07) Determine the distribution of orders by hour of the day.



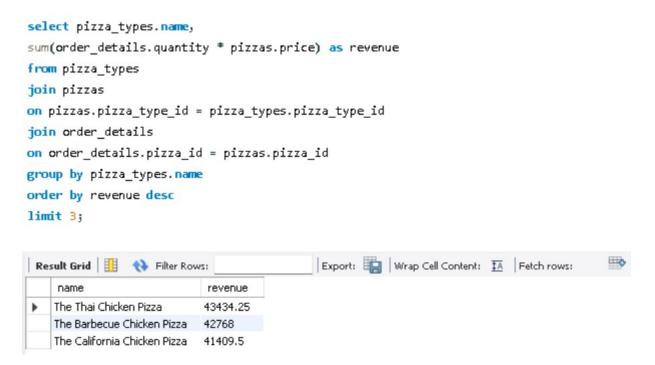
(08) Join relevant tables to find the category-wise distribution of pizzas.



(09) Group the orders by date and calculate the average number of pizzas ordered per day.



(10) Determine the top 3 most ordered pizza types based on revenue.



(11) Calculate the percentage contribution of each pizza type to total revenue.

```
select pizza_types.category,
round(((sum(order_details.quantity * pizzas.price) / (select
round(sum(order_details.quantity*pizzas.price),2) as total_sales
from order_details
join pizzas
on order_details.pizza_id=pizzas.pizza_id))*100),2) as revenue
from pizza_types
join pizzas
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_details
on order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category
order by revenue desc;
```

	esult Grid	H 🙌 Fil
	category	revenue
١	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

(12) Analyze the cumulative revenue generated over time.

```
select order_date,
round(sum(revenue) over (order by order_date),2) as cumulative
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;
```

Re	esult Grid 🏭	National Company Compa	Expor	ti 🖽	Wrap Cell Content:	
	order_date	cumulative				
•	2015-01-01	2713.85				
	2015-01-02	5445.75				
	2015-01-03	8108.15				
	2015-01-04	9863.60				
	2015-01-05	11929.55				
	2015-01-06	14358.50				
	2015-01-07	16560.70				
	2015-01-08	19399.05				
	2015-01-09	21526.40				
	2015-01-10	23990.35				
	2015-01-11	25862.65				
	2015-01-12	27781.70				

(13) Determine the top 3 most ordered pizza types based on revenue for each pizza category.

```
select name, round(revenue, 2)
from
(select category, name, revenue,
rank() over(partition by category order by revenue desc) as rn
from
(select pizza_types.category, pizza_types.mame, 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;
                                                    Export: Wrap Cell Content: TA
 Result Grid
                  Filter Rows:
                               round(revenue,2)
     name
    The Thai Chicken Pizza
                               43434.25
    The Barbecue Chicken Pizza
                               42768.00
    The California Chicken Pizza
                               41409.50
    The Classic Deluxe Pizza
                               38180.50
                               32273.25
    The Hawaiian Pizza
    The Pepperoni Pizza
                               30161.75
    The Spicy Italian Pizza
                               34831.25
    The Italian Supreme Pizza
                               33476.75
    The Sicilian Pizza
                               30940.50
    The Four Cheese Pizza
                               32265.70
    The Mexicana Pizza
                               26780.75
```

The Five Cheese Pizza

26066.50