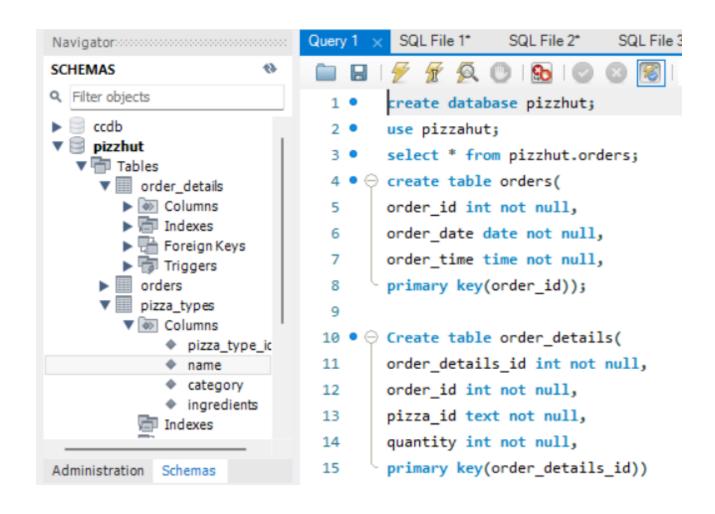
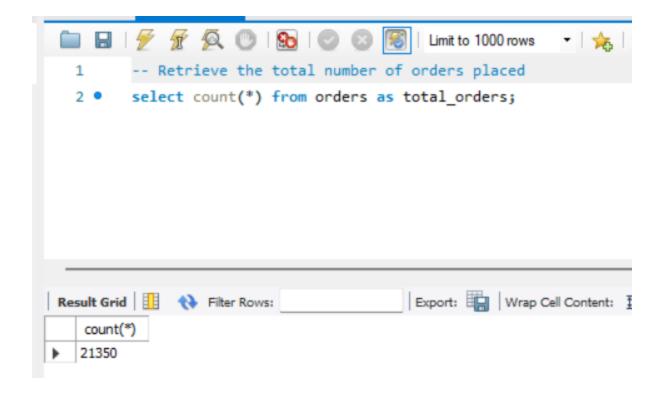
SQL PORTFOLIO PROJECT

The project includes a series of tasks that involve data extraction, transformation, and analysis using SQL queries.

Create Database and Tables



- Retrieve the total number of orders placed



-- Calculate the total revenue generated from pizza sales.

```
SELECT

ROUND(SUM(order_details.quantity * pizzas.price),

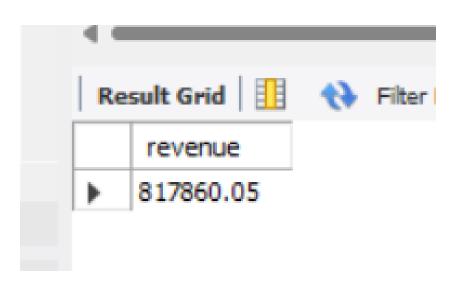
2) AS revenue

FROM

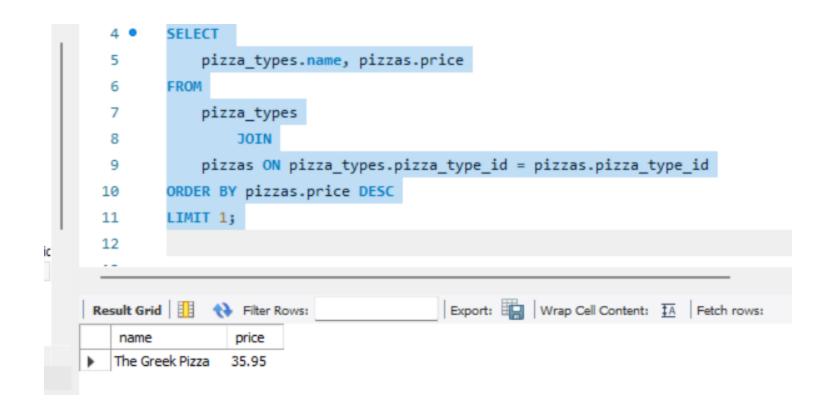
order_details

JOIN

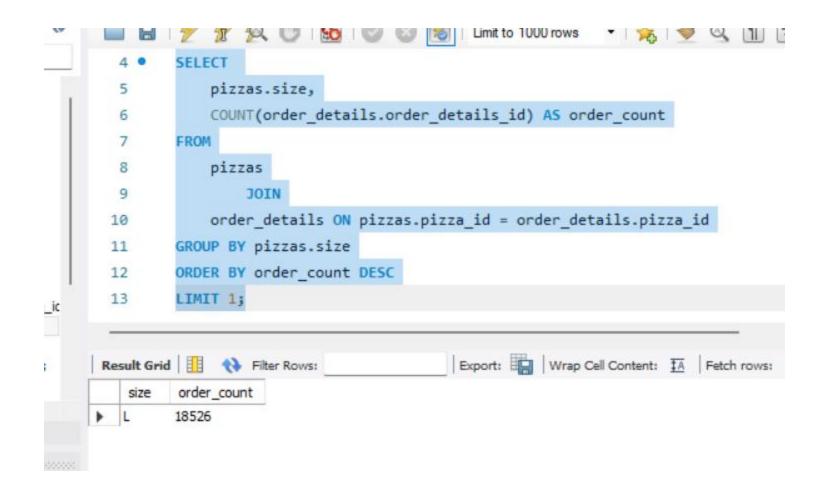
pizzas ON pizzas.pizza_id = order_details.pizza_id
```



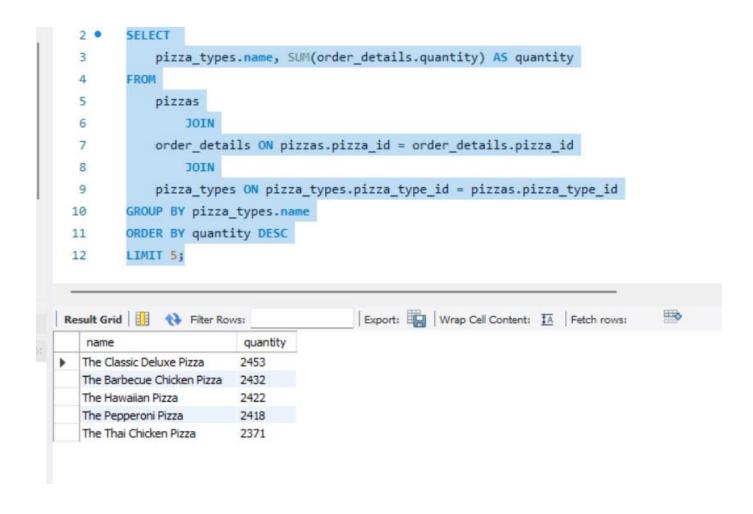
Identify the highest-priced pizza.



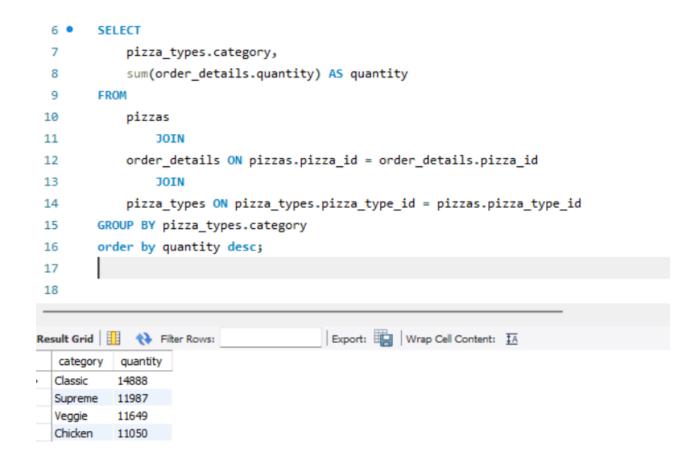
Identify the most common pizza size ordered.



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



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



Determine the distribution of orders by hour of the day.

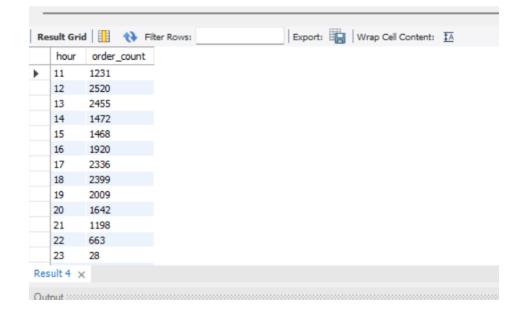
```
SELECT

HOUR(order_time) AS hour, COUNT(order_id) AS order_count

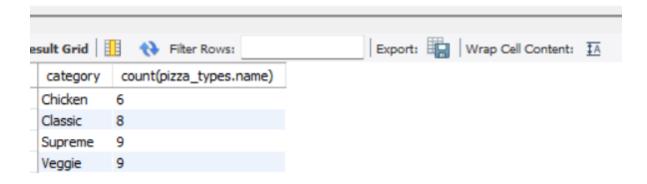
FROM

orders

GROUP BY HOUR(order_time);
```



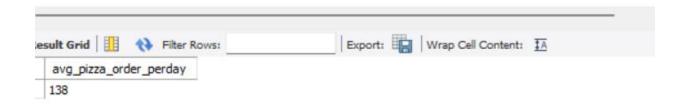
Join relevant tables to find the category-wise distribution of pizzas.



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

```
SELECT
ROUND(AVG(quantity), 0) as avg_pizza_order_perday
FROM

(SELECT
orders.order_date, SUM(order_details.quantity) AS quantity
FROM
orders
JOIN order_details ON orders.order_id = order_details.order_id
GROUP BY orders.order_date) AS order_quantity;
```



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 pizza_types.pizza_type_id=pizzas.pizza_type_id
        join
10
        order details
11
        order_details.pizza_id=pizzas.pizza_id
12
13
        group by pizza_types.name
14
        order by revenue desc limit 3;
                                          Export: Wrap Cell Content: A Fetch rows:
Result Grid
             Filter Rows:
  name
                         revenue
  The Thai Chicken Pizza
                         43434.25
  The Barbecue Chicken Pizza
                         42768
  The California Chicken Pizza
                        41409.5
```

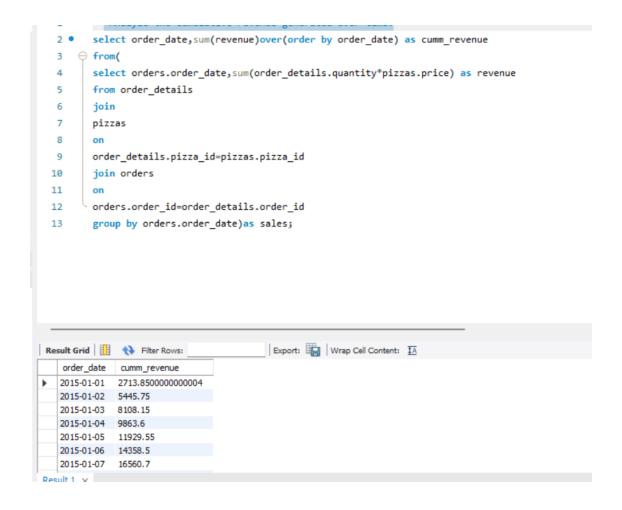
Calculate the percentage contribution of each pizza type to total revenue.

```
→ WITH TotalRevenue AS (
          SELECT
              ROUND(SUM(order_details.quantity * pizzas.price), 2) AS total_sales
         FROM
              order_details
         JOIN
              pizzas ON pizzas.pizza_id = order_details.pizza_id

    ⊕ RevenuePerType AS (
          SELECT
              pizza_types.category,
              ROUND(SUM(order_details.quantity * pizzas.price), 2) AS type_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
    SELECT
       r.category,
       r.type_revenue,
       t.total_sales,
       ROUND((r.type_revenue / t.total_sales) * 100, 2) AS revenue_percentage
       RevenuePerType r
    CROSS JOIN
       TotalRevenue t
    ORDER BY
       revenue_percentage DESC;
```

R	esult Grid 🏭 Filter Rows: _		Export: Wrap Cell Content:		
	category	type_revenue	total_sales	revenue_percentage	
•	Classic	220053.1	817860.05	26.91	
	Supreme	208197	817860.05	25.46	
	Chicken	195919.5	817860.05	23.96	
	Veggie	193690.45	817860.05	23.68	

Analyze the cumulative revenue generated over time.



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

