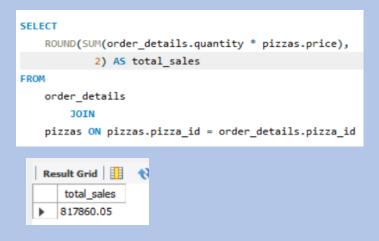
Level: Basic

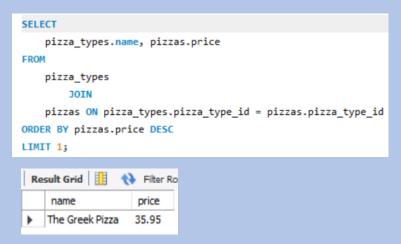
Query 1: Retrieve the total number of orders placed.



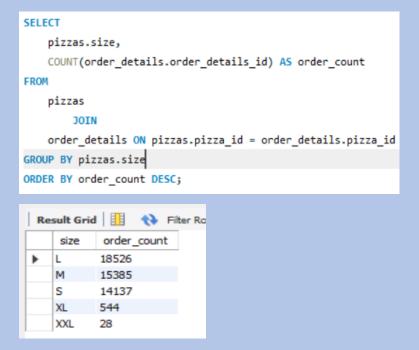
Query 2: Calculate the total revenue generated from pizza sales.



Query 3: Identify the highest-priced pizza.

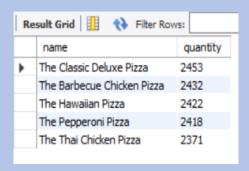


Query 4: Identify the most common pizza size ordered.



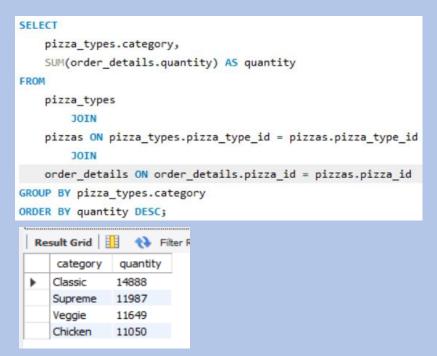
Query 5: List the top 5 most ordered pizza types along with their quantities.

```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
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.name
ORDER BY quantity DESC
LIMIT 5;
```

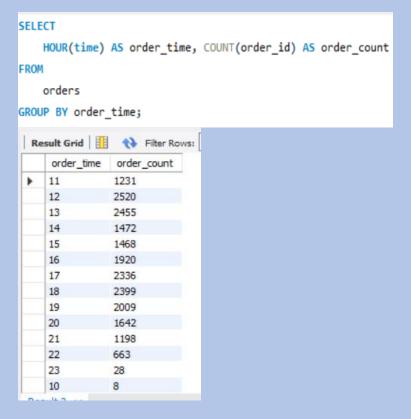


Level: Intermediate

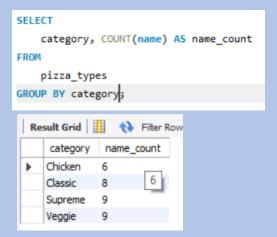
Query 6: Join the necessary tables to find the total quantity of each pizza category ordered.



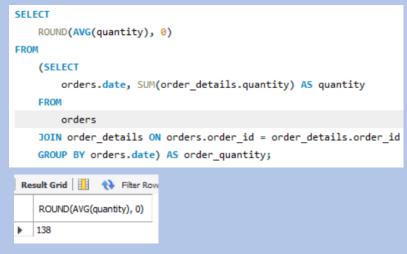
Query 7: Determine the distribution of orders by hour of the day.



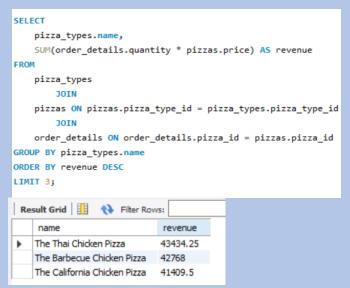
Query 8: Join relevant tables to find the category-wise distribution of pizzas.



Query 9: Group the orders by date and calculate the average number of pizzas ordered per day.



Query 10: Determine the top 3 most ordered pizza types based on revenue.



Level: Advanced

Query 10: 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 pizzas.pizza_id = order_details.pizza_id)) * 100,
           2) AS revenue
FROM
   pizza_types
       JOIN
   pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
   order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY revenue DESC;
```

Result Grid				
	category	revenue		
•	Classic	26.91		
	Supreme	25.46		
	Chicken	23.96		
	Veggie	23.68		

Query 12: Analyze the cumulative revenue generated over time.

```
select `date`,
sum(revenue) over(order by `date`) as cum_rvenue
from
(select orders.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.date) as sales;
```

Re	sult Grid	Name of the Filter Rows:		
	date	cum_rvenue		
•	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		
D _D	201E 01 22	E2724 E00000000000		

Query 13: 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;</pre>
```

Result Grid 1				
	name	revenue		
•	The Thai Chicken Pizza	43434.25		
	The Barbecue Chicken Pizza	42768		
	The California Chicken Pizza	41409.5		
	The Classic Deluxe Pizza	38180.5		
	The Hawaiian Pizza	32273.25		
	The Pepperoni Pizza	30161.75		
	The Spicy Italian Pizza	34831.25		
	The Italian Supreme Pizza	33476.75		
	The Sicilian Pizza	30940.5		
	The Four Cheese Pizza	32265.70000000065		
	The Mexicana Pizza	26780.75		
	The Five Cheese Pizza	26066.5		