

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  
JOIN  
order_details ON order_details.pizza_id = pizzas.pizza_id  
GROUP BY pizza_types.category  
ORDER BY revenue DESC;
```



category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

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;
```

order_date	cum_revenue
2015-01-28	63059.85000000001
2015-01-29	65105.150000000016
2015-01-30	67375.45000000001
2015-01-31	69793.3000000002
2015-02-01	72982.5000000001
2015-02-02	75311.1000000002
2015-02-03	77925.9000000002
2015-02-04	80159.8000000002
2015-02-05	82375.6000000002
2015-02-06	84885.5500000002



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;
```



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

THANK YOU!

