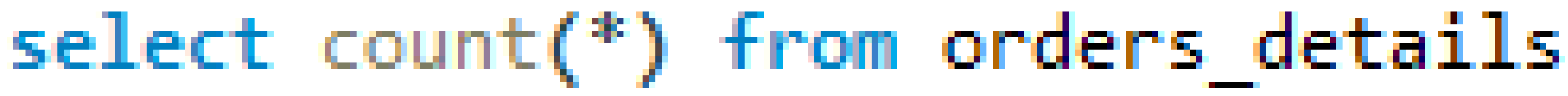
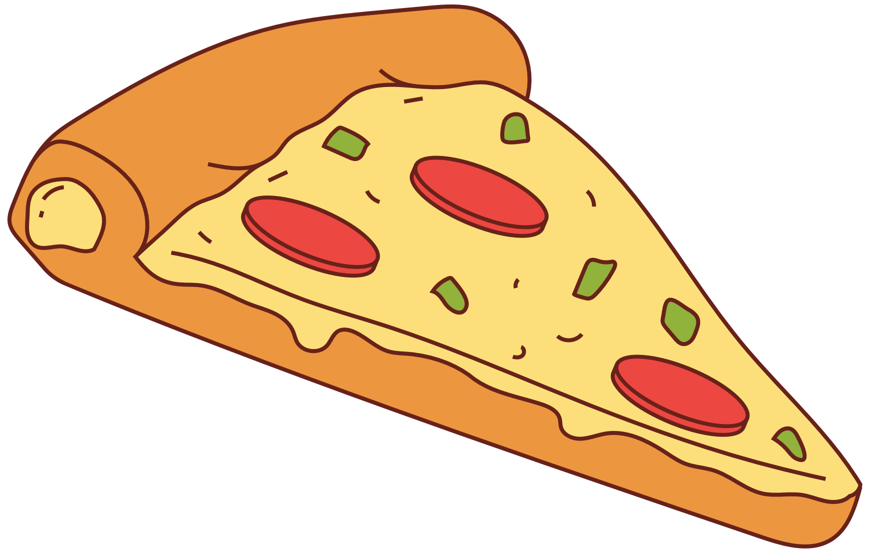
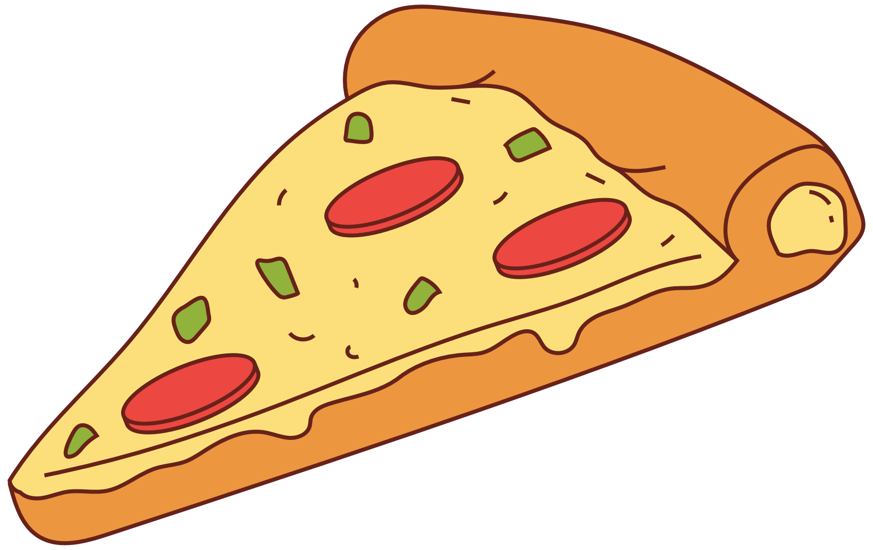
PIZZA SALES PROJECT

Retrieve the total number of orders placed

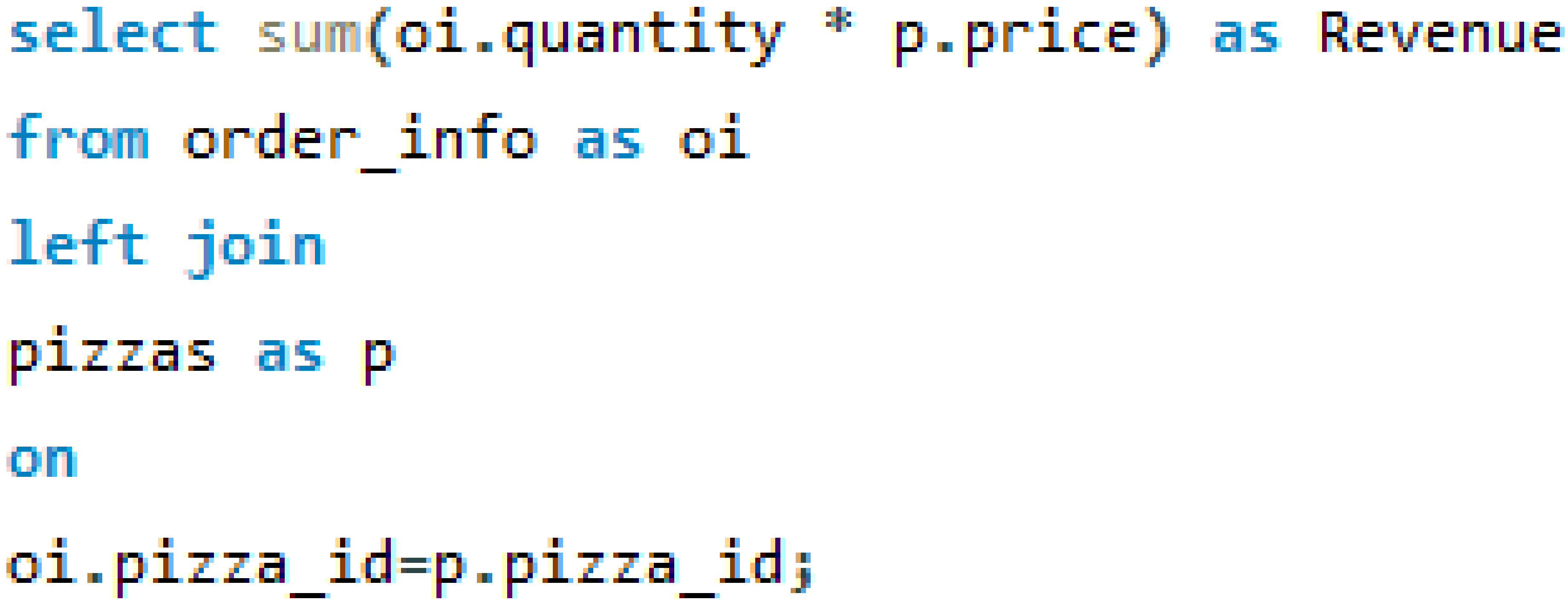


```
select count(*) from orders_details
```

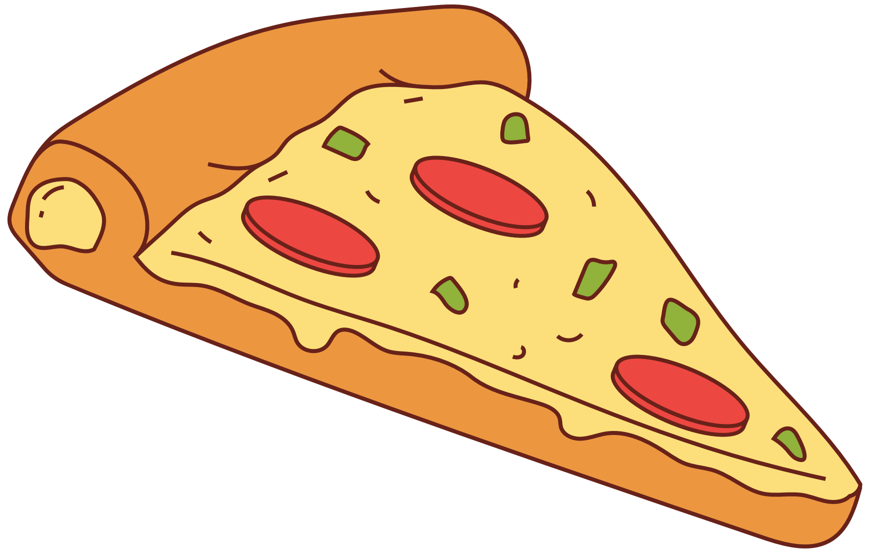


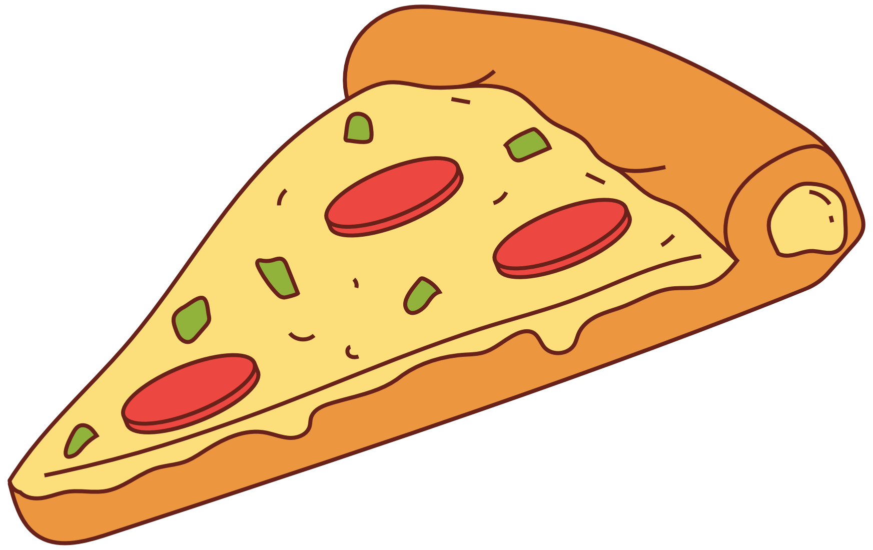


Calculate the total revenue generated from pizza sales

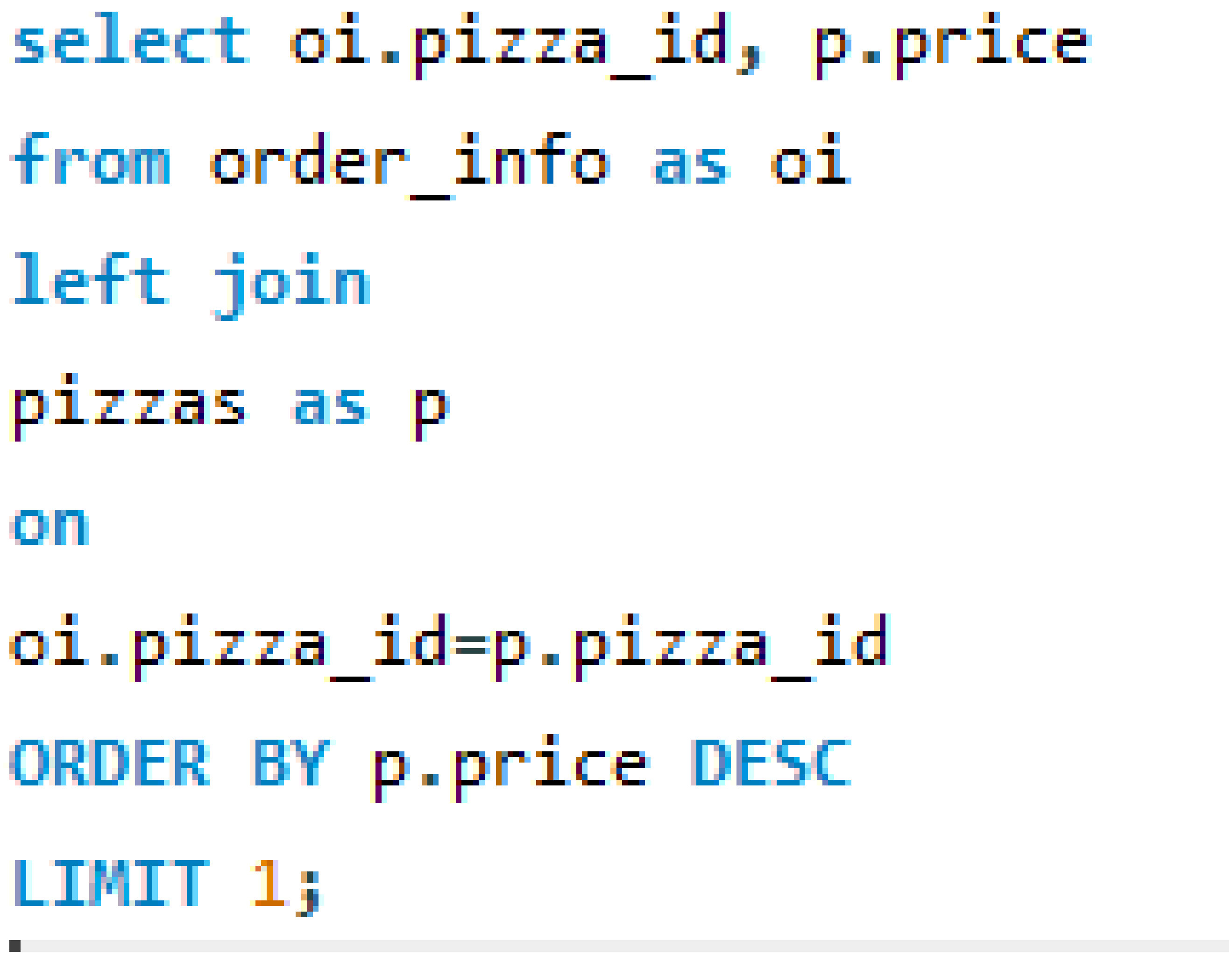


```
select sum(oi.quantity * p.price) as Revenue
from order_info as oi
left join
pizzas as p
on
oi.pizza_id=p.pizza_id;
```

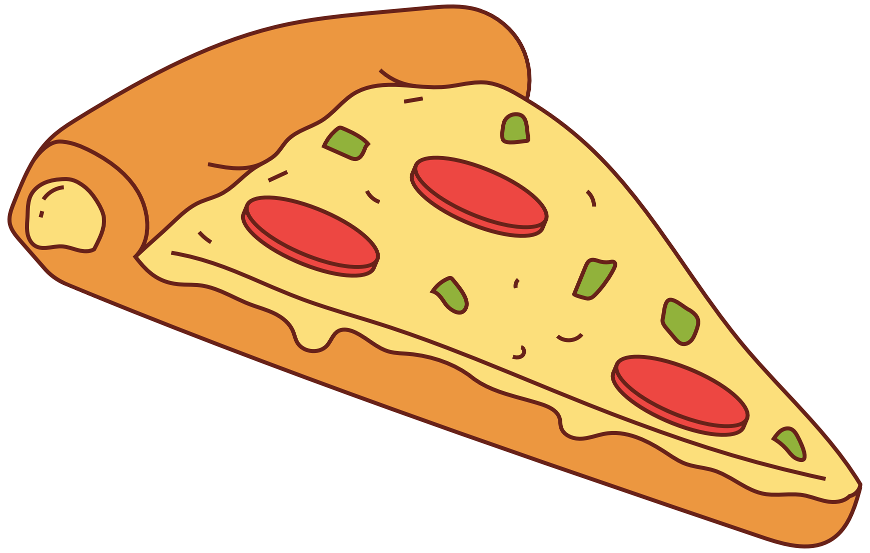


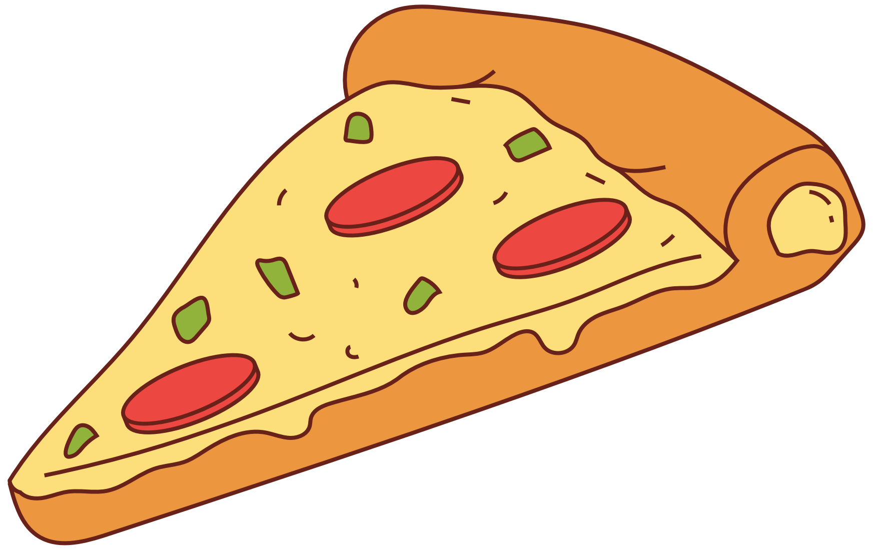


Identify the highest-priced pizza

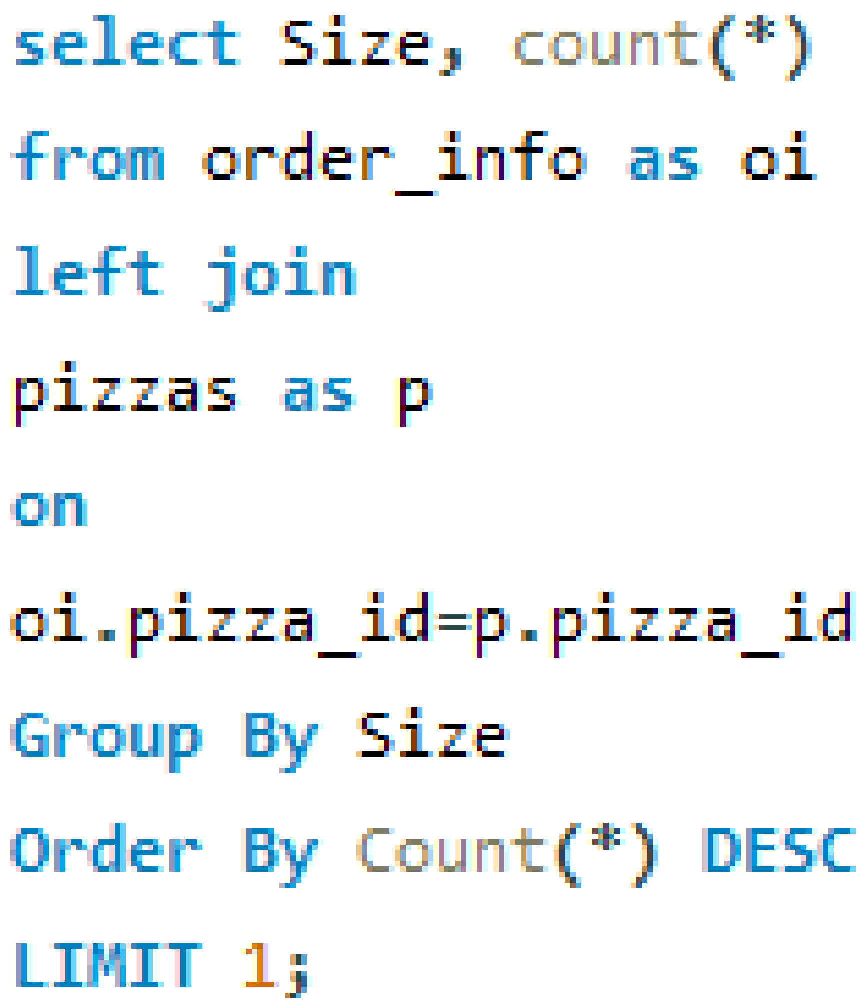


```
select oi.pizza_id, p.price
from order_info as oi
left join
pizzas as p
on
oi.pizza_id=p.pizza_id
ORDER BY p.price DESC
LIMIT 1;
```

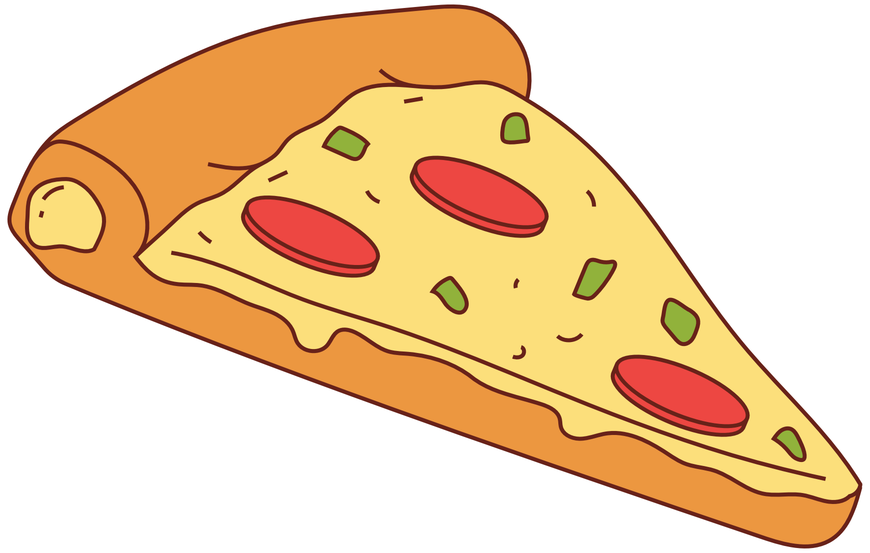


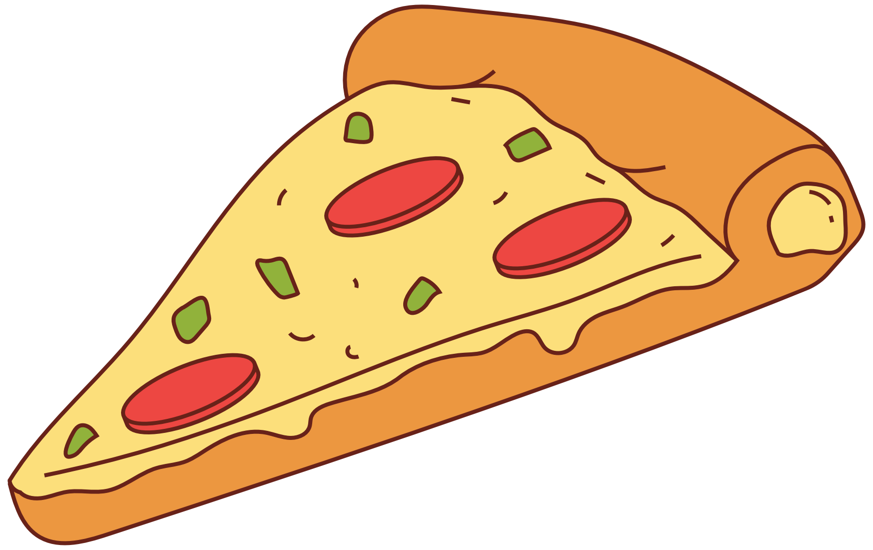


Identify the most common pizza size ordered

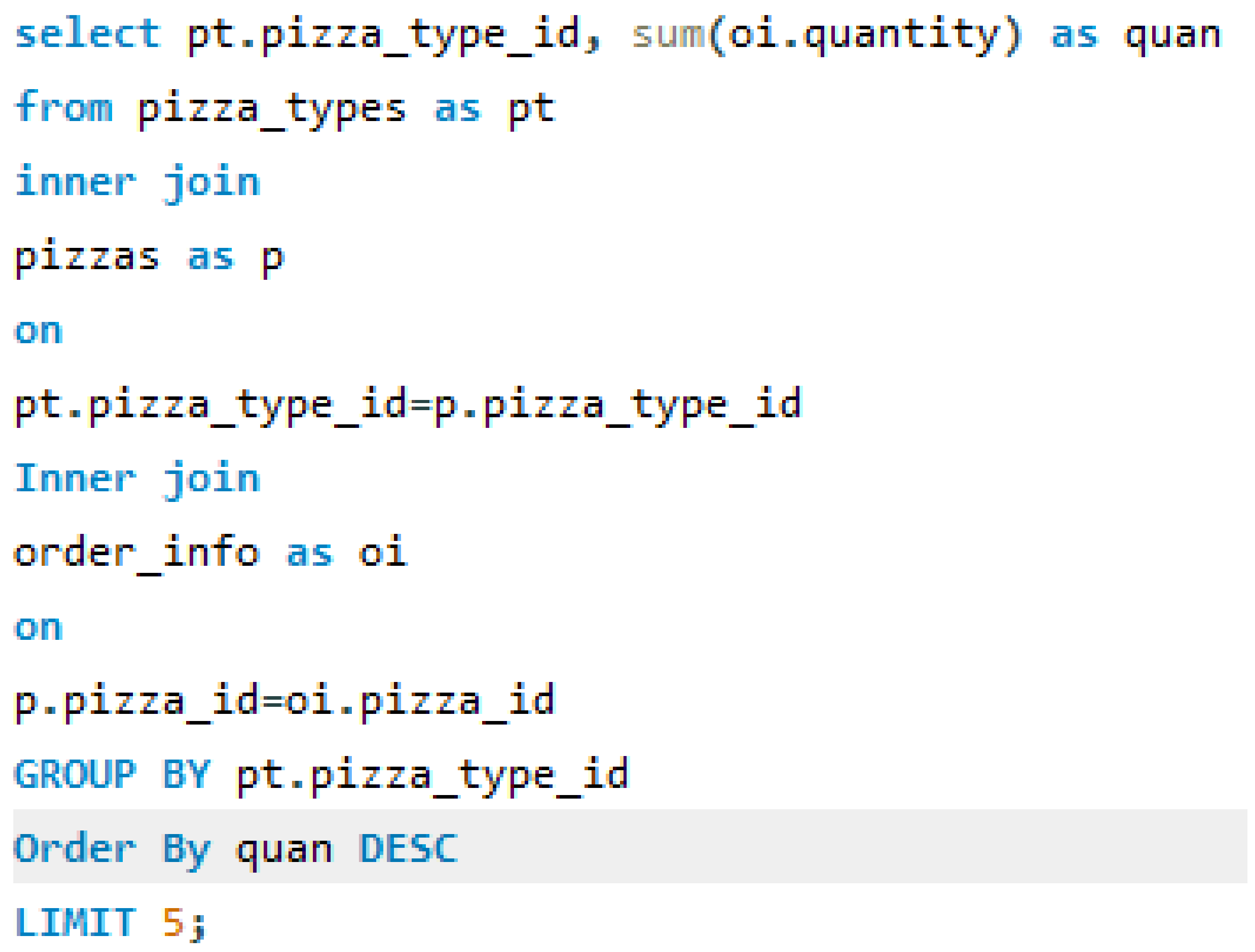


```
select Size, count(*)
from order_info as oi
left join
pizzas as p
on
oi.pizza_id=p.pizza_id
Group By Size
Order By Count(*) DESC
LIMIT 1;
```

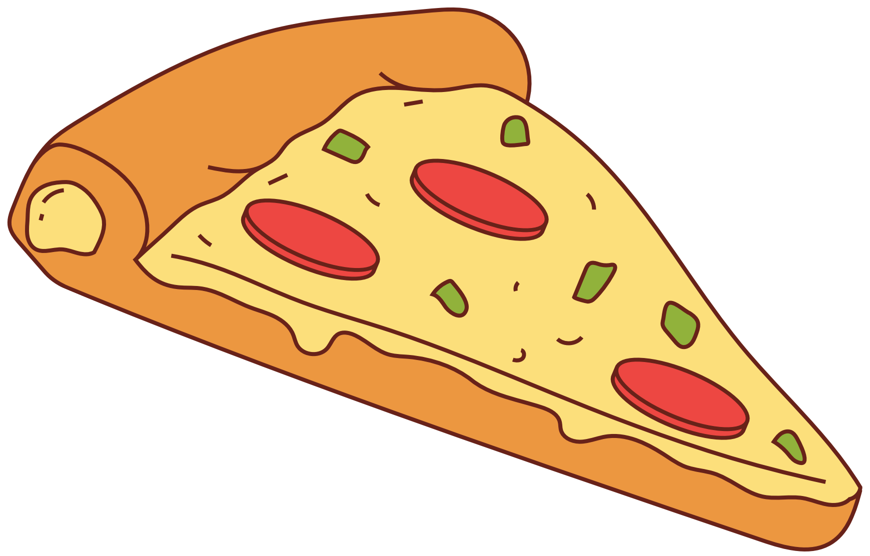


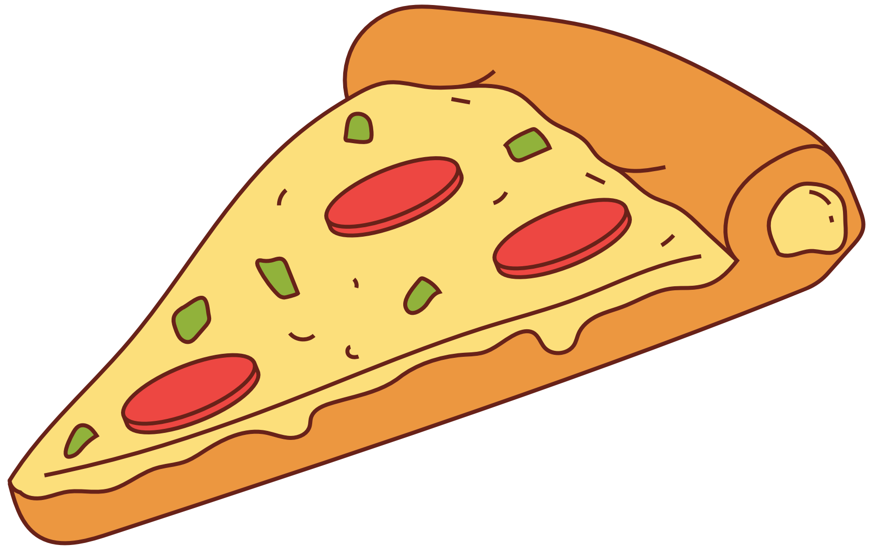


List the top 5 most ordered pizza types along with their quantities

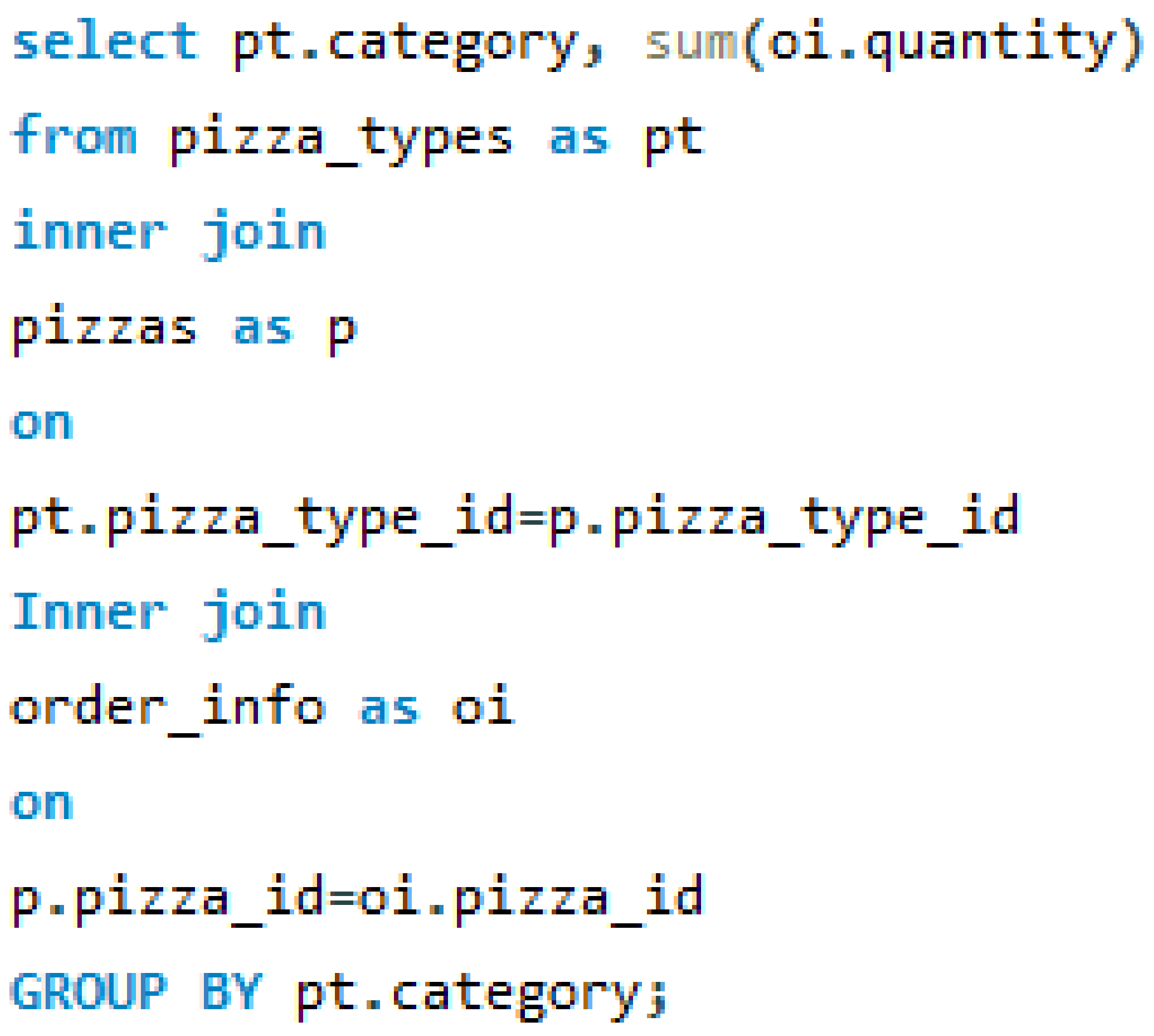


```
select pt.pizza_type_id, sum(oi.quantity) as quan
from pizza_types as pt
inner join
pizzas as p
on
pt.pizza_type_id=p.pizza_type_id
Inner join
order_info as oi
on
p.pizza_id=oi.pizza_id
GROUP BY pt.pizza_type_id
Order By quan DESC
LIMIT 5;
```

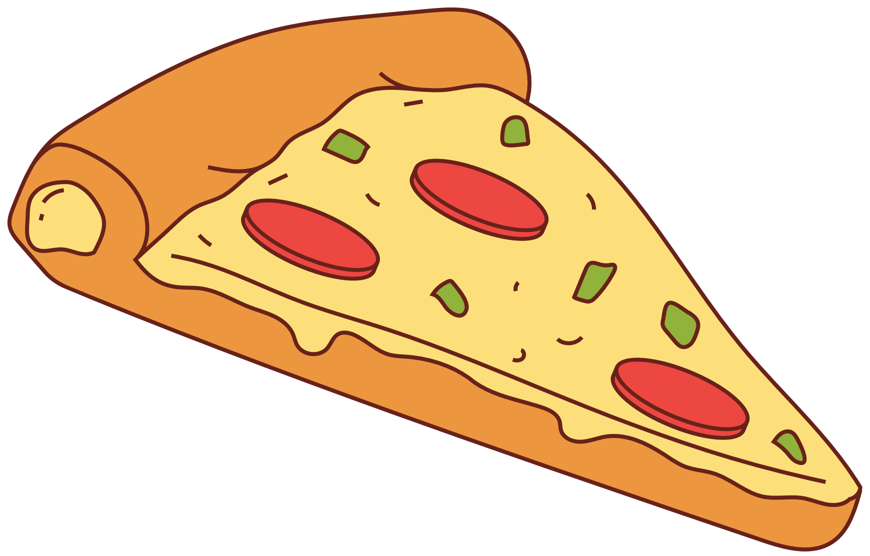


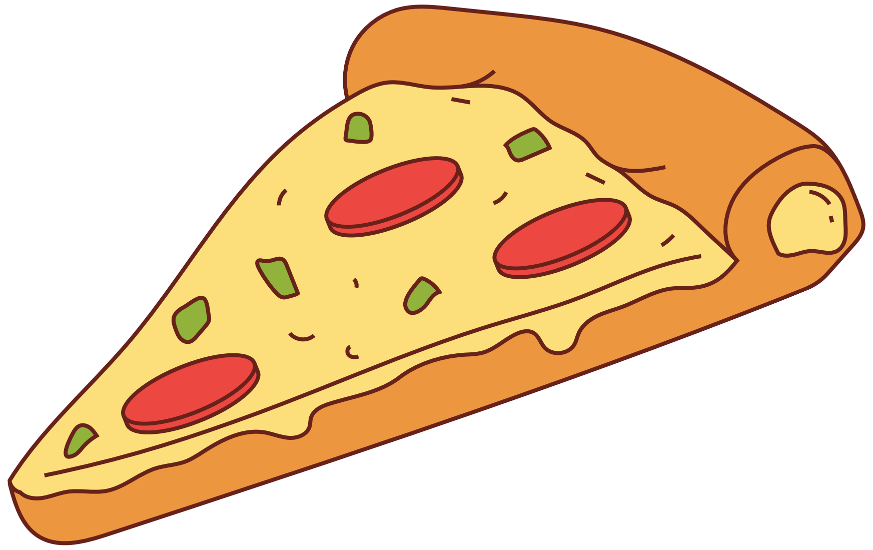


Join the necessary tables to find the total quantity of each pizza category ordered

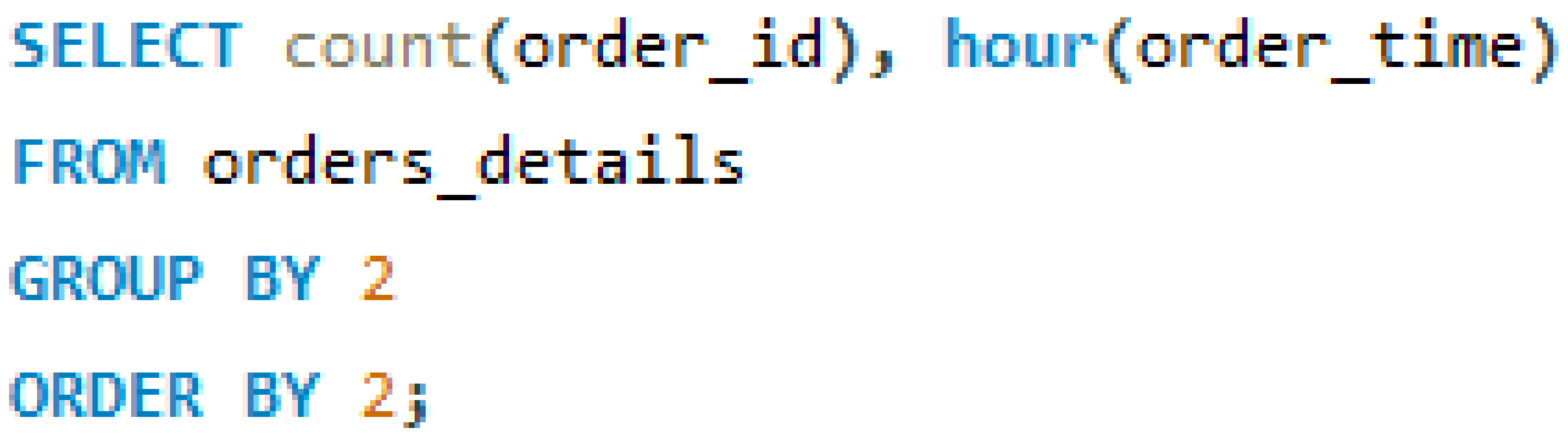


```
select pt.category, sum(oi.quantity)
from pizza_types as pt
inner join
pizzas as p
on
pt.pizza_type_id=p.pizza_type_id
Inner join
order_info as oi
on
p.pizza_id=oi.pizza_id
GROUP BY pt.category;
```

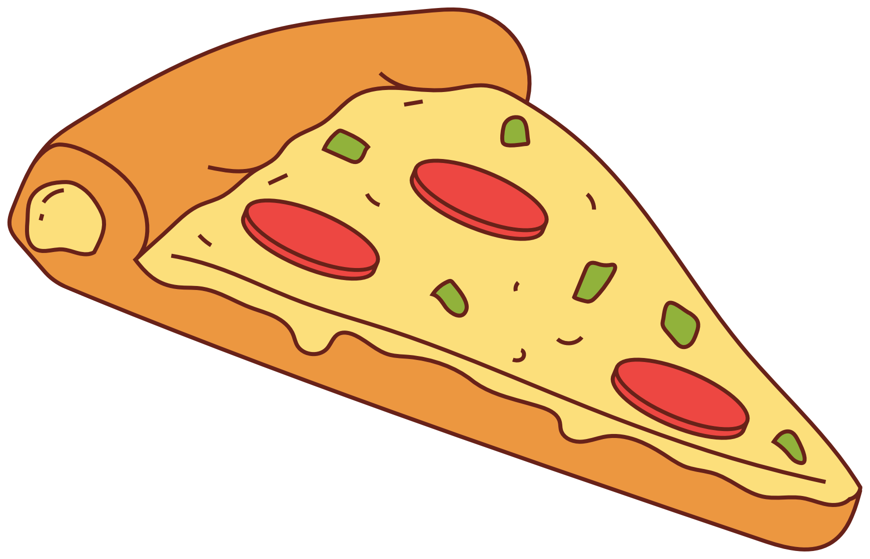


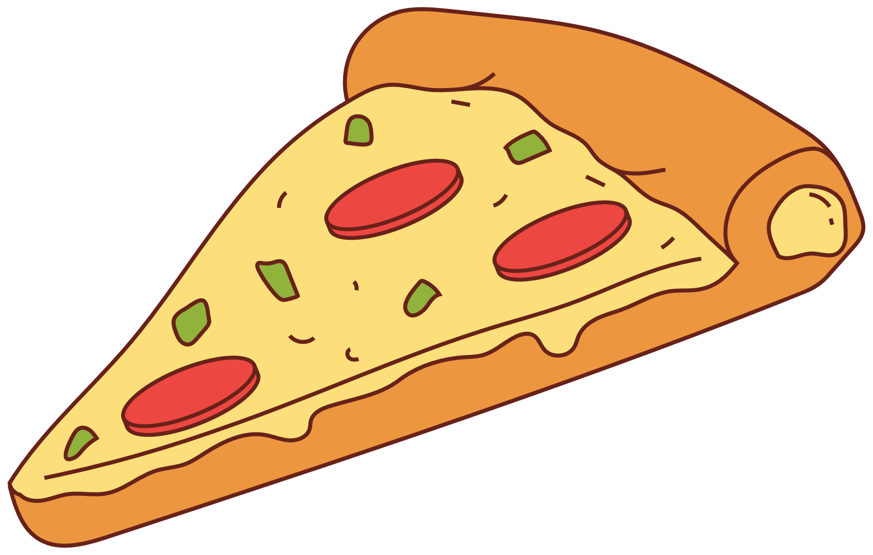


Determine the distribution of orders by hour of the day

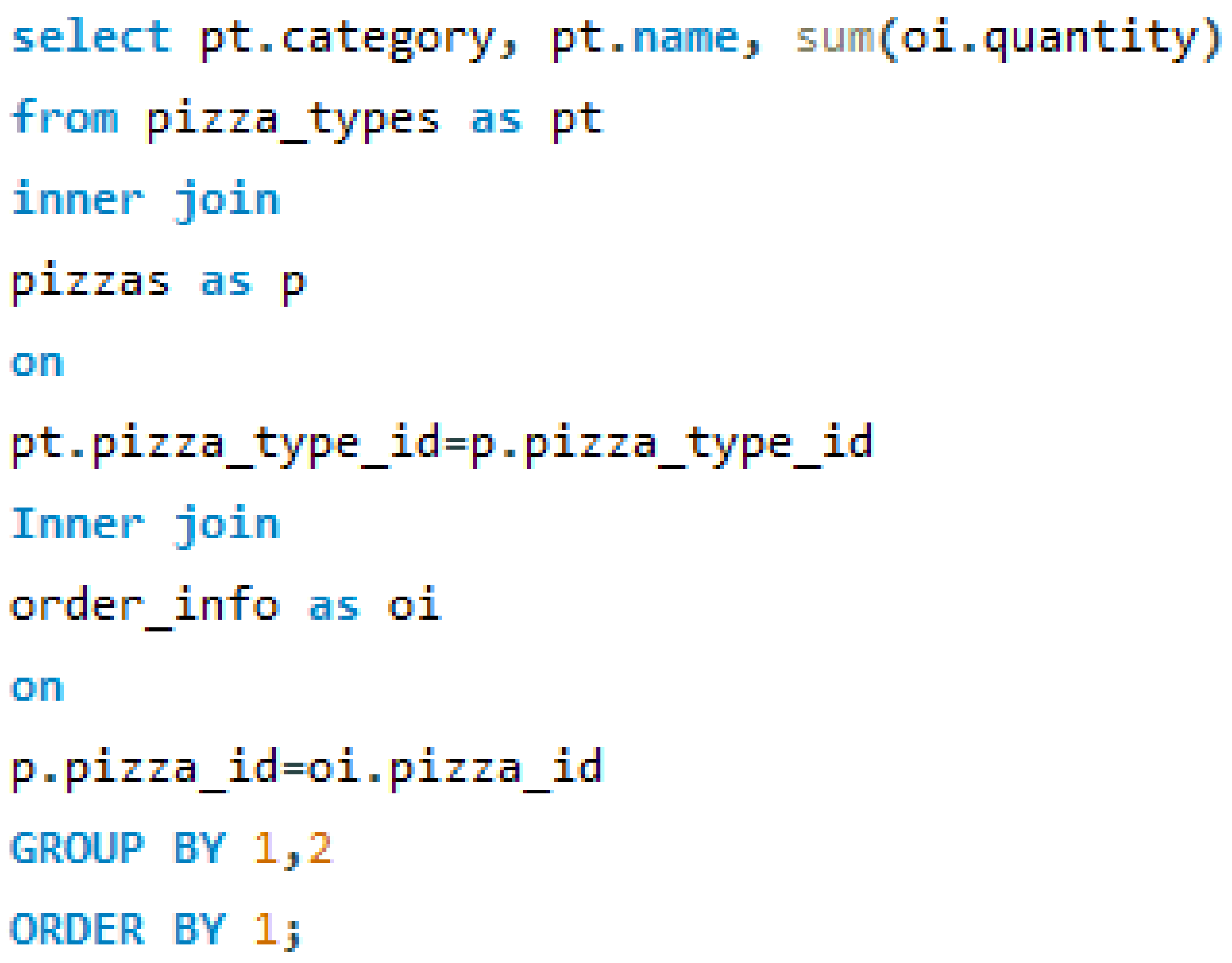


```
SELECT count(order_id), hour(order_time)
FROM orders_details
GROUP BY 2
ORDER BY 2;
```

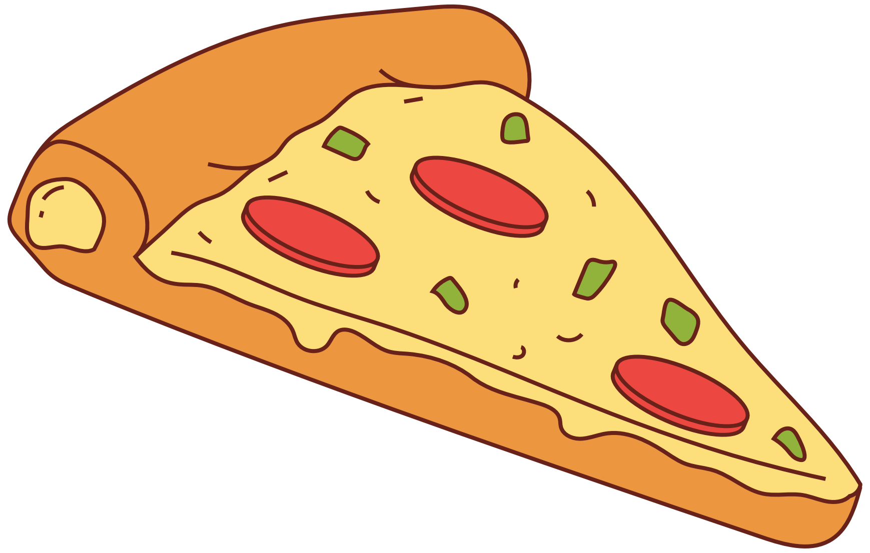


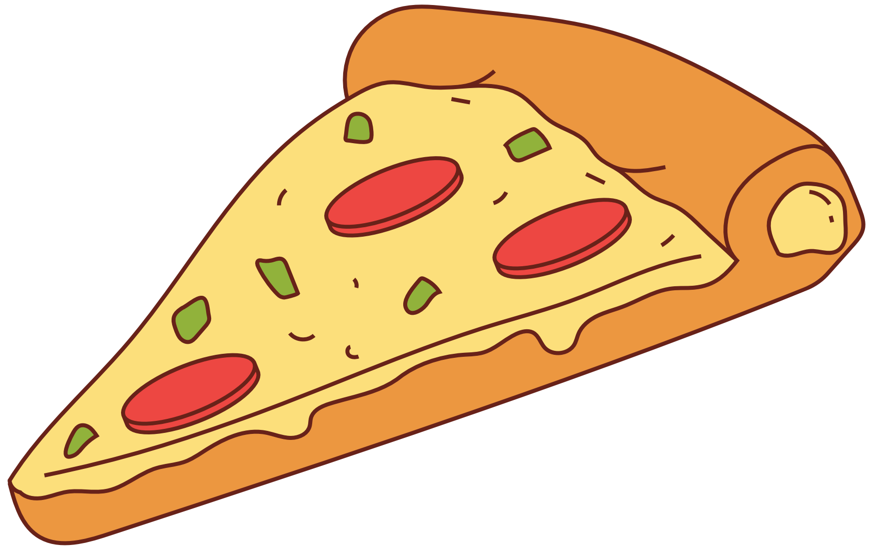


Join relevant tables to find the category-wise distribution of pizzas

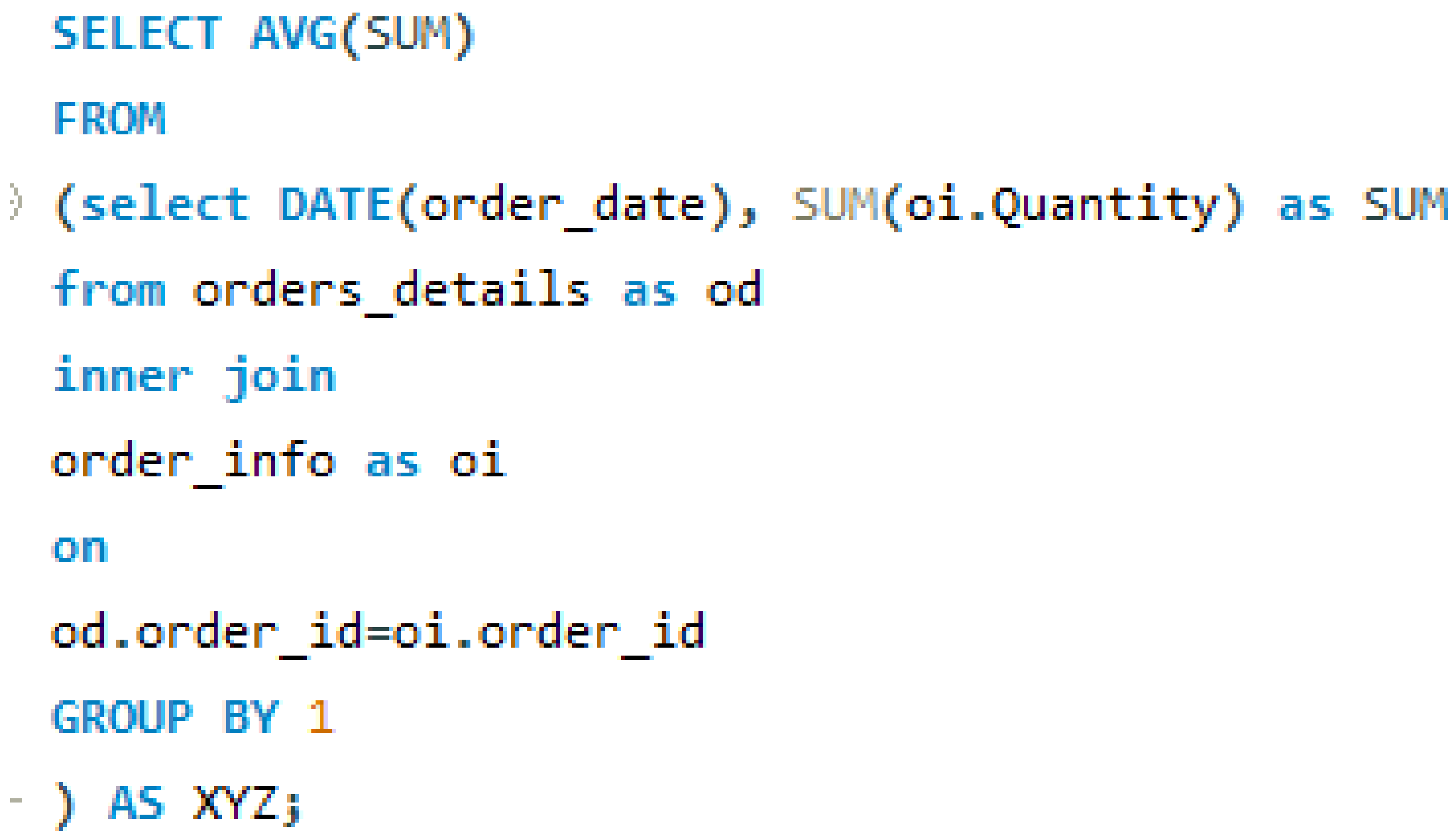


```
select pt.category, pt.name, sum(oi.quantity)
from pizza_types as pt
inner join
pizzas as p
on
pt.pizza_type_id=p.pizza_type_id
Inner join
order_info as oi
on
p.pizza_id=oi.pizza_id
GROUP BY 1,2
ORDER BY 1;
```

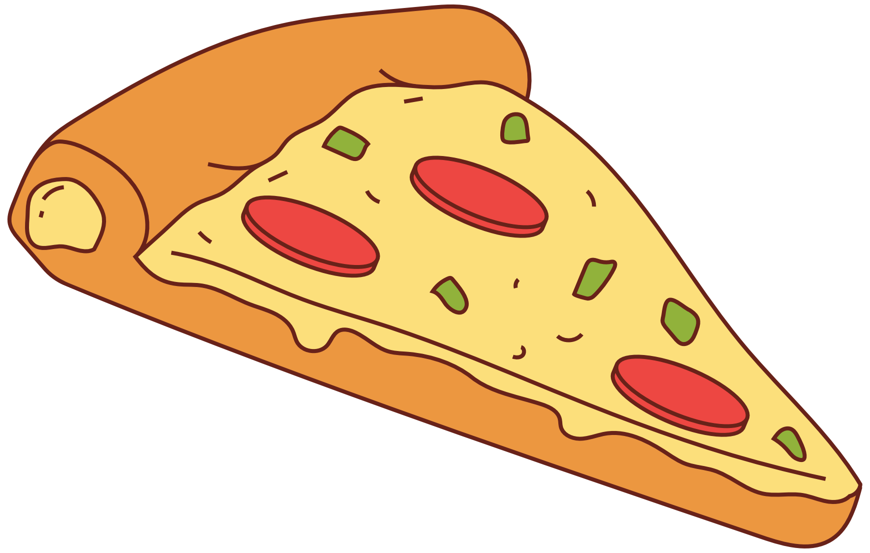


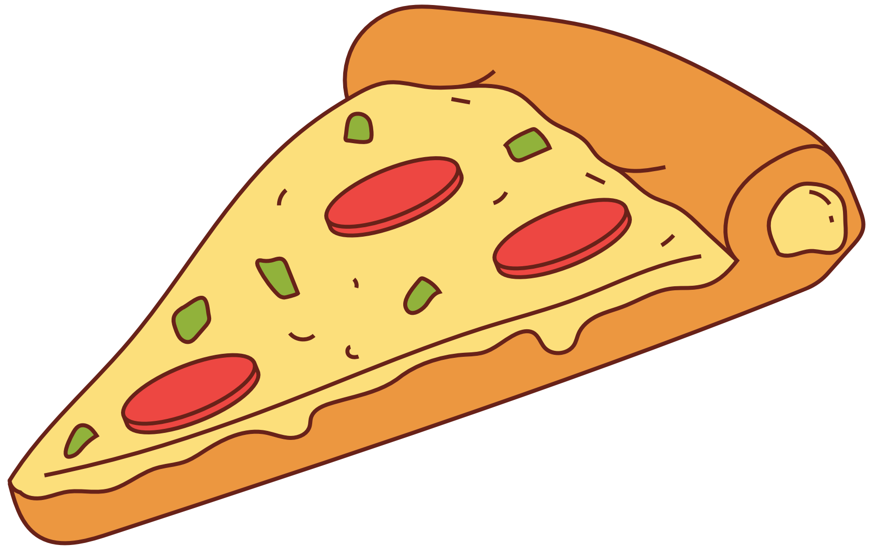


Group the orders by date and calculate the average number of pizzas ordered per day

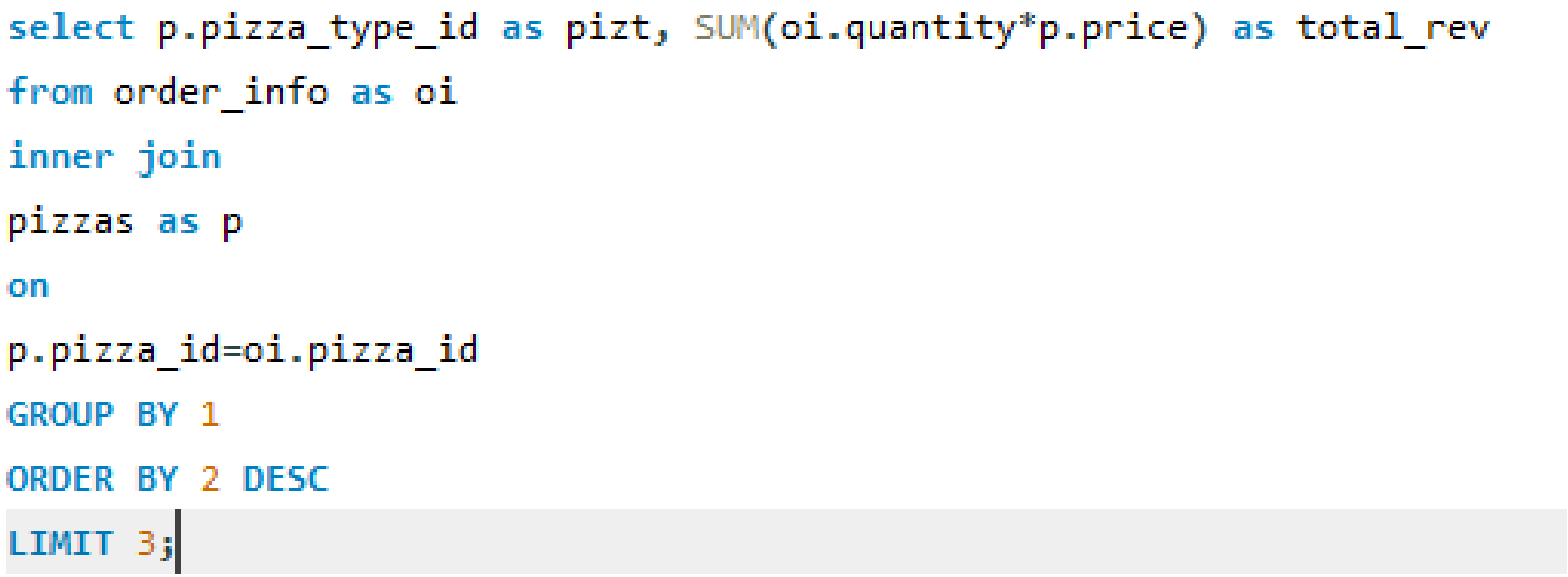


```
SELECT AVG(SUM)
FROM
(select DATE(order_date), SUM(oi.Quantity) as SUM
from orders_details as od
inner join
order_info as oi
on
od.order_id=oi.order_id
GROUP BY 1
) AS XYZ;
```

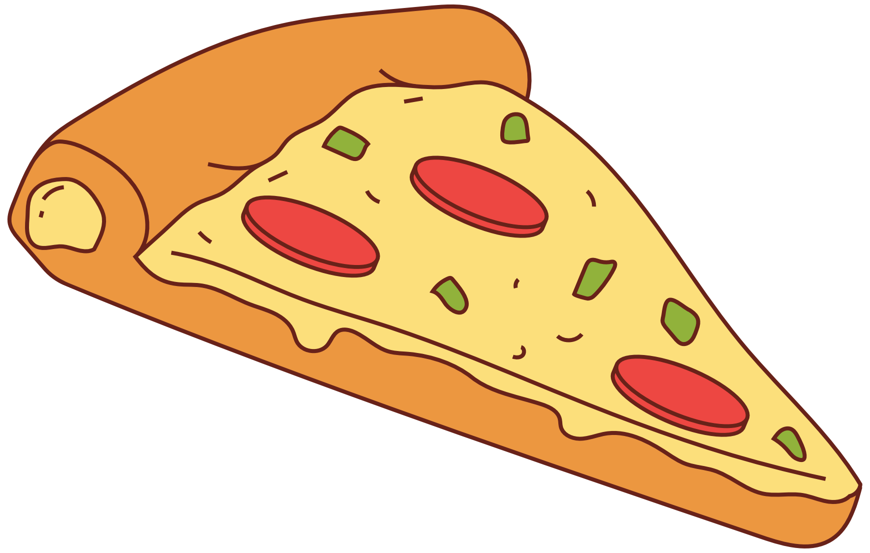


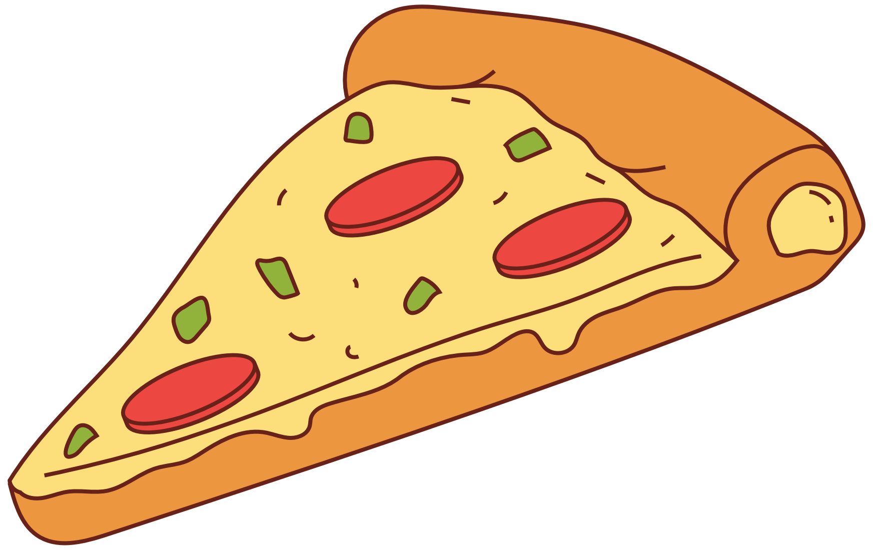


Determine the top 3 most ordered pizza types based on revenue

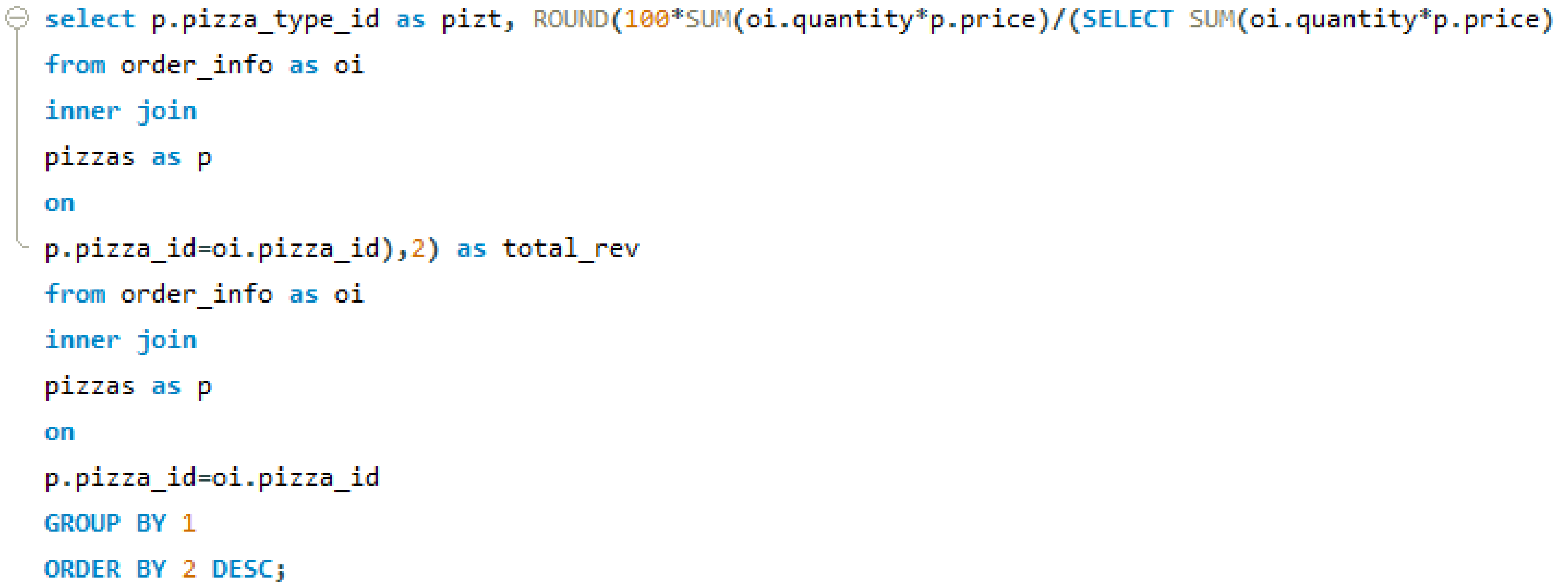


```
select p.pizza_type_id as pizt, SUM(oi.quantity*p.price) as total_rev
from order_info as oi
inner join
pizzas as p
on
p.pizza_id=oi.pizza_id
GROUP BY 1
ORDER BY 2 DESC
LIMIT 3;
```

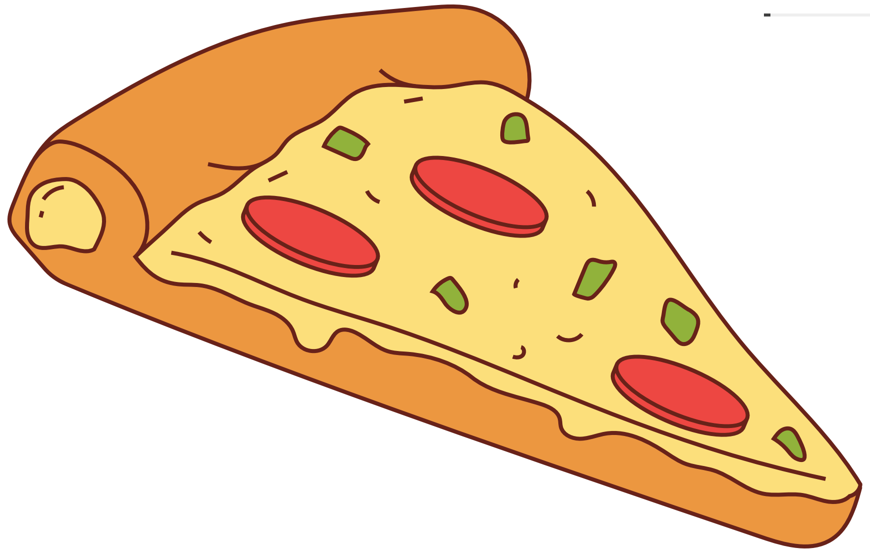


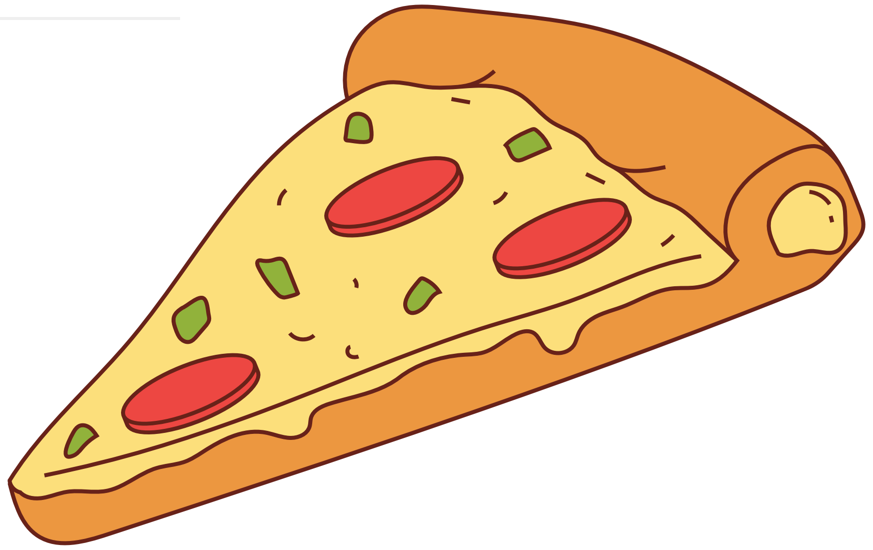


Calculate the percentage contribution of each pizza type to total revenue

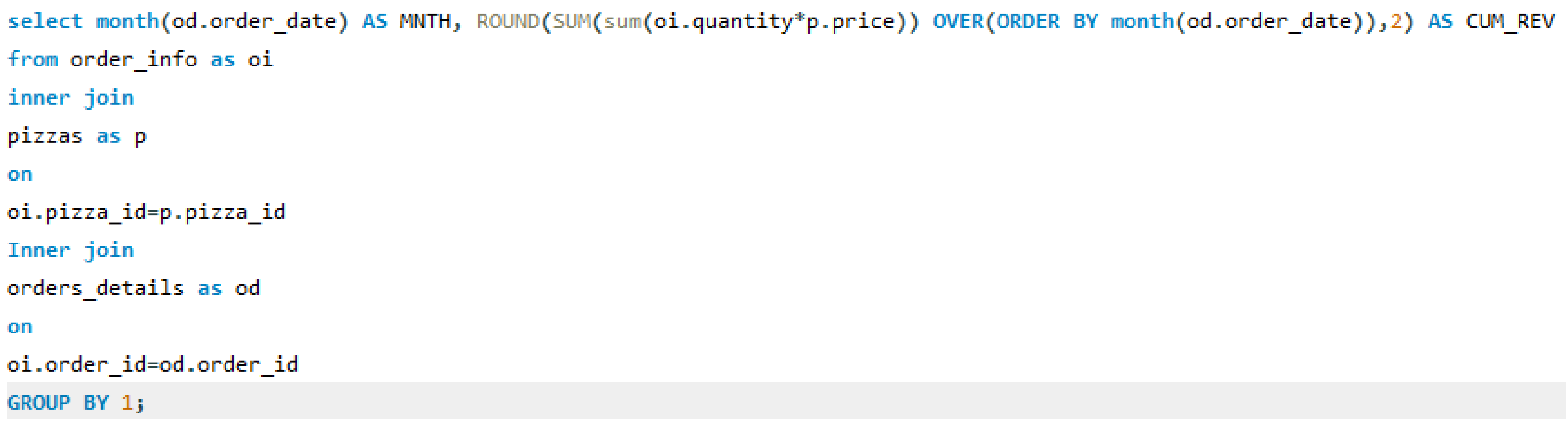


```
select p.pizza_type_id as pizt, ROUND(100*SUM(oi.quantity*p.price)/(SELECT SUM(oi.quantity*p.price)
from order_info as oi
inner join
pizzas as p
on
p.pizza_id=oi.pizza_id),2) as total_rev
from order_info as oi
inner join
pizzas as p
on
p.pizza_id=oi.pizza_id
GROUP BY 1
ORDER BY 2 DESC;
```

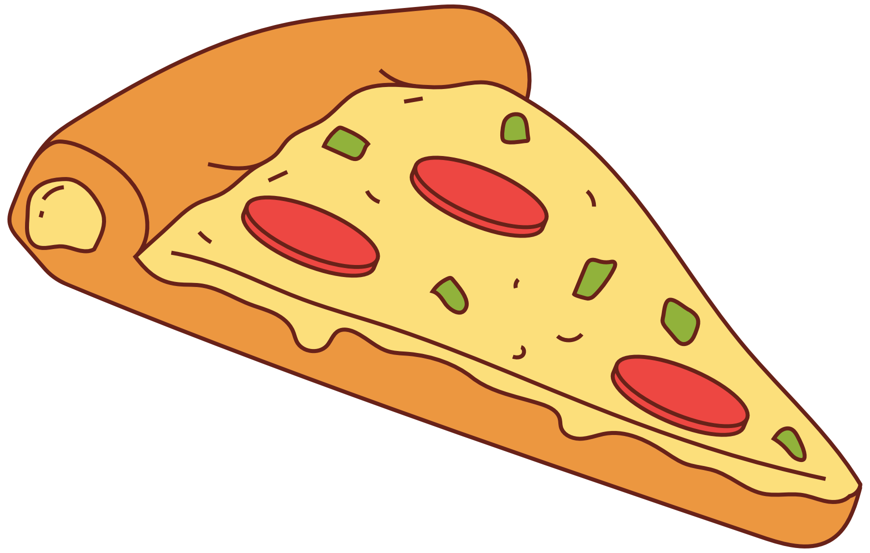


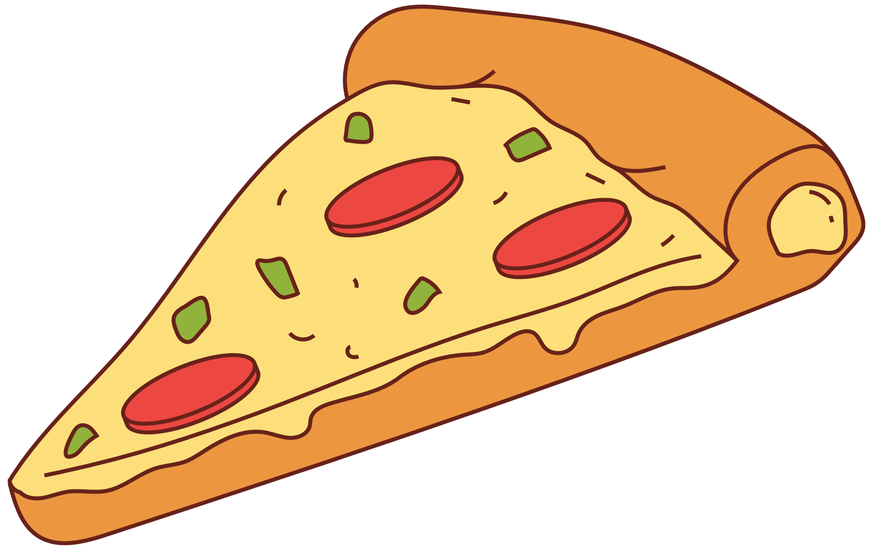


Analyze the cumulative revenue generated over time

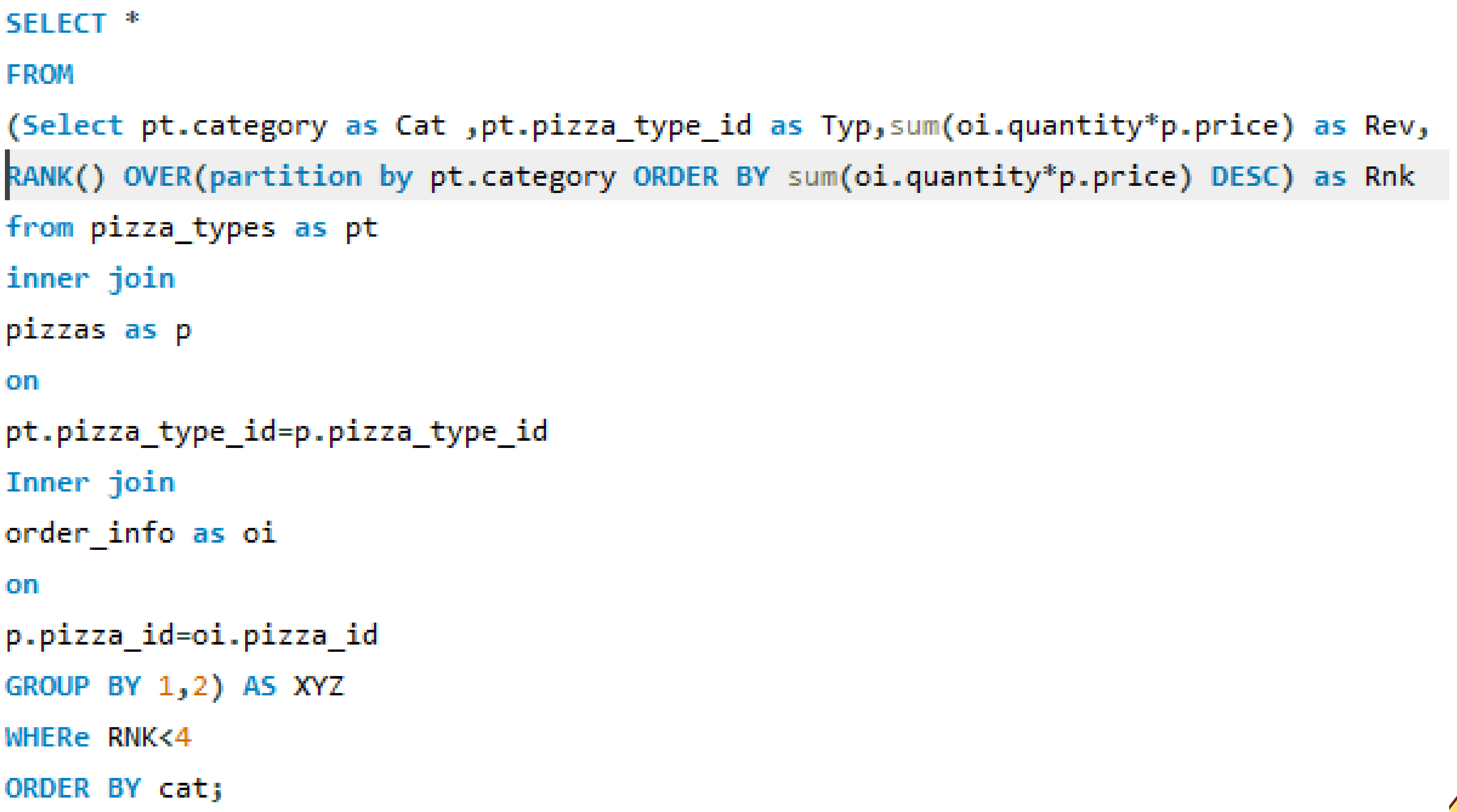


```
select month(od.order_date) AS MNTH, ROUND(SUM(sum(oi.quantity*p.price)) OVER(ORDER BY month(od.order_date)),2) AS CUM_REV
from order_info as oi
inner join
pizzas as p
on
oi.pizza_id=p.pizza_id
Inner join
orders_details as od
on
oi.order_id=od.order_id
GROUP BY 1;
```

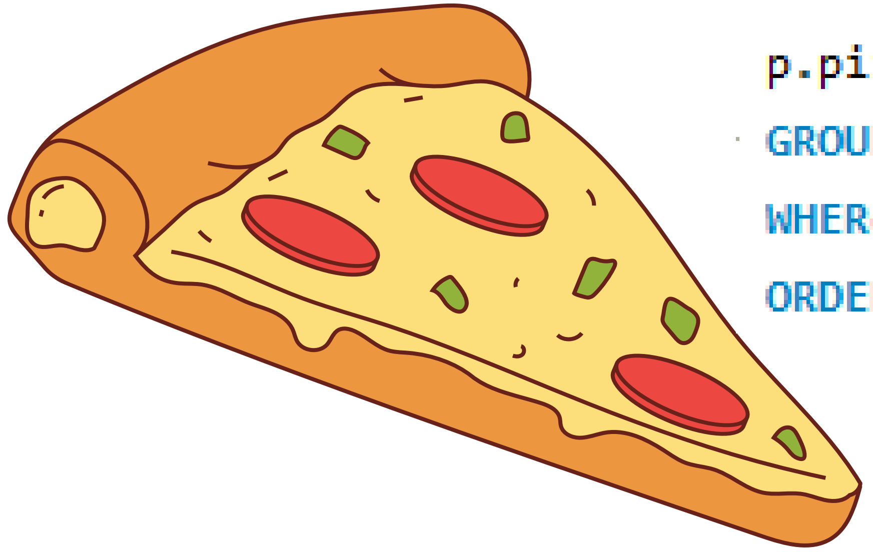


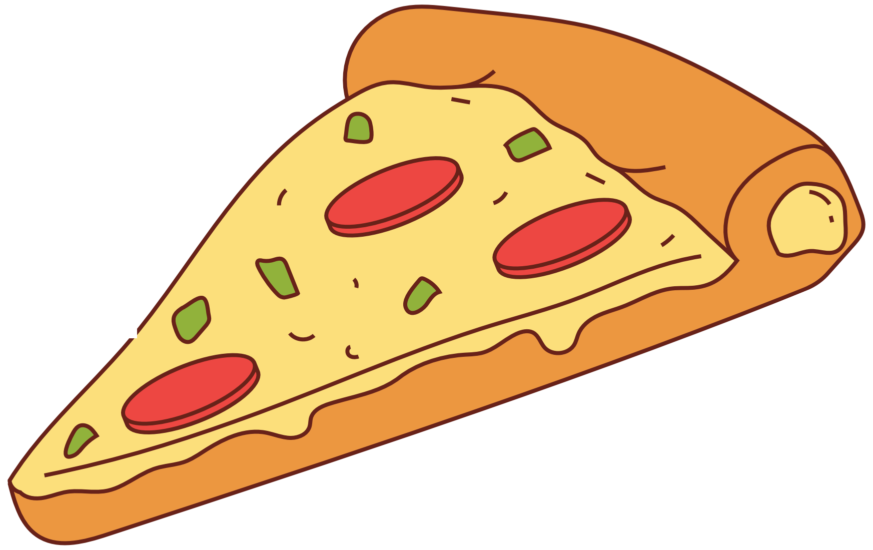


Determine the top 3 most ordered pizza types based on revenue for each pizza category



```
SELECT *
FROM
(Select pt.category as Cat ,pt.pizza_type_id as Typ,sum(oi.quantity*p.price) as Rev,
RANK() OVER(partition by pt.category ORDER BY sum(oi.quantity*p.price) DESC) as Rnk
from pizza_types as pt
inner join
pizzas as p
on
pt.pizza_type_id=p.pizza_type_id
Inner join
order_info as oi
on
p.pizza_id=oi.pizza_id
GROUP BY 1,2) AS XYZ
WHERe RNK<4
ORDER BY cat;
```





PIZZA PARTY!