



BORCELLE  
FOOD CORNER

*Retrieve the total number of  
orders placed.*

-- Retrieve the total number of orders placed

```
select count(order_details_id) from order_details
```



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BORCELLE  
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*Calculate the total revenue  
generated from pizza sales.*

```
-- Calculate the total revenue generated from pizza sales.--  
SELECT  
    ROUND(SUM(pizzas.price * order_details.quantity),  
          2)  
FROM  
    pizzas  
    JOIN  
    order_details ON pizzas.pizza_id = order_details.pizza_id
```



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BORCELLE  
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*Identify the highest-priced  
pizza.*

```
-- Identify the highest-priced pizza.  
SELECT  
    pizza_types.name, pizzas.price  
FROM  
    pizzas  
        JOIN  
    pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
ORDER BY pizzas.price DESC  
LIMIT 1;
```



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BORCELLE  
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*Identify the most common pizza  
size ordered.*

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```
-- Identify the most common pizza size ordered.  
SELECT  
    pizzas.size, COUNT(order_details.order_details_id)  
FROM  
    pizzas  
        JOIN  
    order_details ON pizzas.pizza_id = order_details.pizza_id  
GROUP BY pizzas.size  
ORDER BY COUNT(order_details.order_details_id) DESC  
LIMIT 5;
```



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

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```
-- List the top 5 most ordered pizza types along with their quantities.  
SELECT  
    pizza_types.name, SUM(order_details.quantity) AS q  
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 q DESC  
limit 5;
```



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

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```
-- Join the necessary tables to find the total quantity of each pizza category ordered.  
SELECT  
    pizza_types.category, SUM(order_details.quantity) AS q  
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 q DESC  
LIMIT 5;
```



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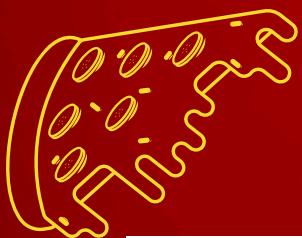
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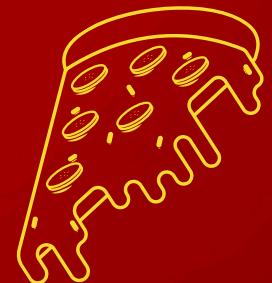
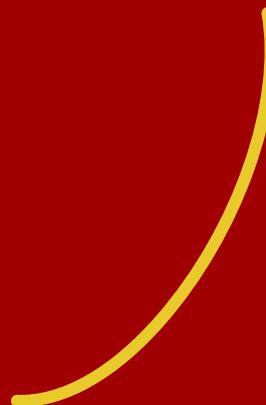
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Determine the distribution of  
orders by hour of the day.

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```
-- Determine the distribution of orders by hour of the day.  
select hour(order_time) as h ,count(order_id) from ord  
group by h;
```



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

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```
-- Group the orders by date and calculate the average number of pizzas ordered per day.  
SELECT  
    ROUND(AVG(q), 0)  
FROM  
    (SELECT  
        ord.order_date AS d, SUM(order_details.quantity) AS q  
    FROM  
        ord  
    JOIN order_details ON ord.order_id = order_details.order_id  
    GROUP BY d) AS orderq;
```



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BORCELLE  
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Determine the top 3 most ordered  
pizza types based on revenue.

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```
-- Determine the top 3 most ordered pizza types based on revenue.  
select pizza_types.name,  
round(sum(order_details.quantity*pizzas.price),0) as total  
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 total desc limit 3;
```



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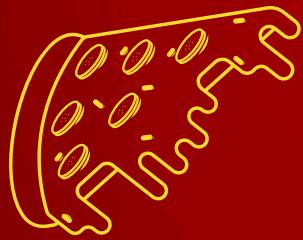
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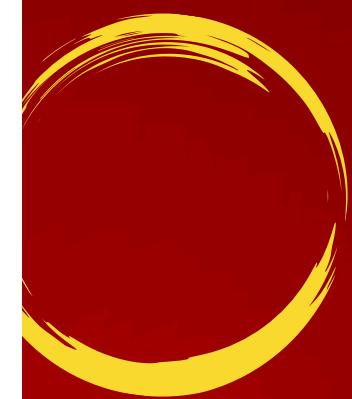
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*Calculate the percentage  
contribution of each pizza type to  
total revenue.*

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```
-- Calculate the percentage contribution of each pizza type to total revenue.  
SELECT  
    pizza_types.category, SUM(order_details.quantity * pizzas.price)/(SELECT  
        ROUND(SUM(pizzas.price * order_details.quantity),  
            2))  
FROM  
    pizzas  
        JOIN  
            order_details ON pizzas.pizza_id = order_details.pizza_id)*100 as r  
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 r DESC
```



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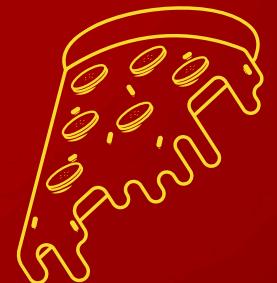
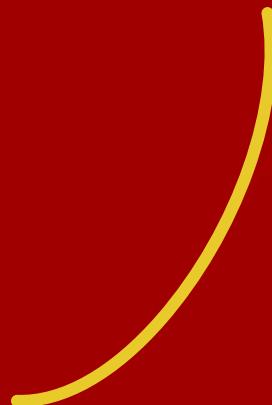
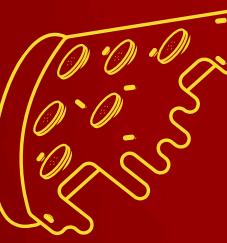


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Analyze the cumulative revenue  
generated over time.

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```
-- Analyze the cumulative revenue generated over time.  
select order_date,sum(r) over(order by order_date) as n from  
(select ord.order_date,  
sum(pizzas.price*order_details.quantity) as r  
from order_details join pizzas  
on order_details.pizza_id=pizzas.pizza_id  
join ord  
on ord.order_id=order_details.order_id  
group by ord.order_date order by r desc )as oo;
```



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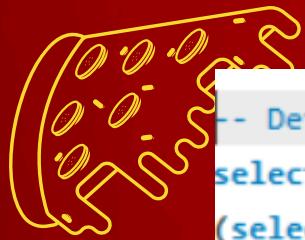
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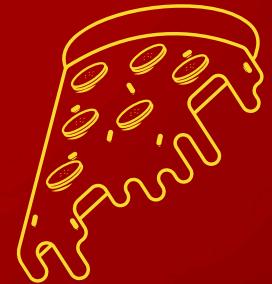
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Determine the top 3 most ordered  
pizza types based on revenue for  
each pizza category.

50%  
OFF



```
-- Determine the top 3 most ordered pizza types based on revenue for each pizza category.  
select category,name from  
(select category,name,r,  
rank() over(partition by category order by r desc) as bb from  
(select pizza_types.name,pizza_types.category,  
sum((order_details.quantity) *pizzas.price) as r  
from pizza_types join pizzas  
on pizzas.pizza_type_id=pizza_types.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 bb <=3;
```



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