

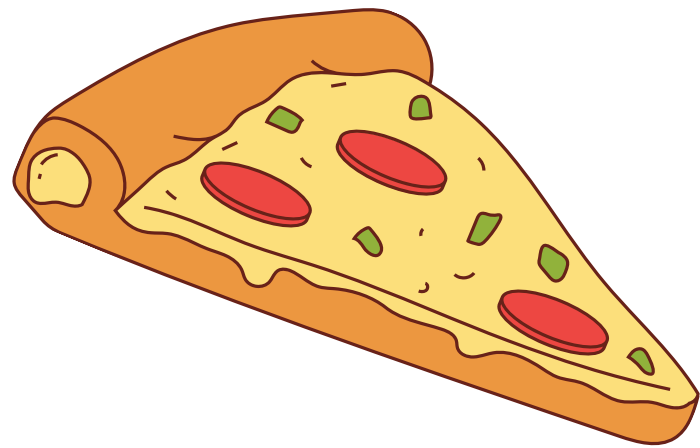
SALE ANALYSIS OF PIZZAHUT!

By

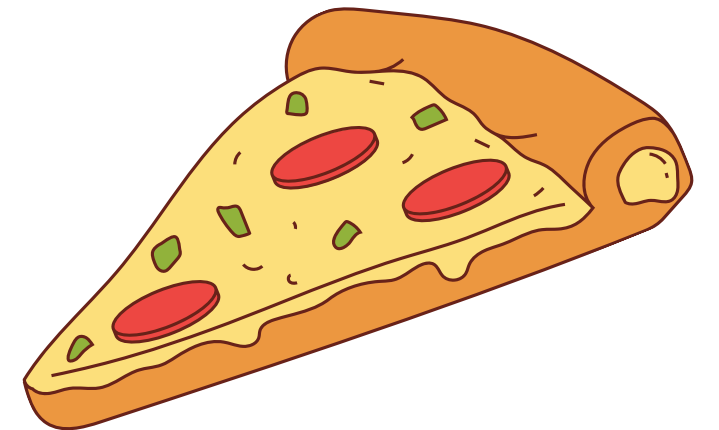
Akash Ghosh



Calculate the total revenue generated from pizza sales.

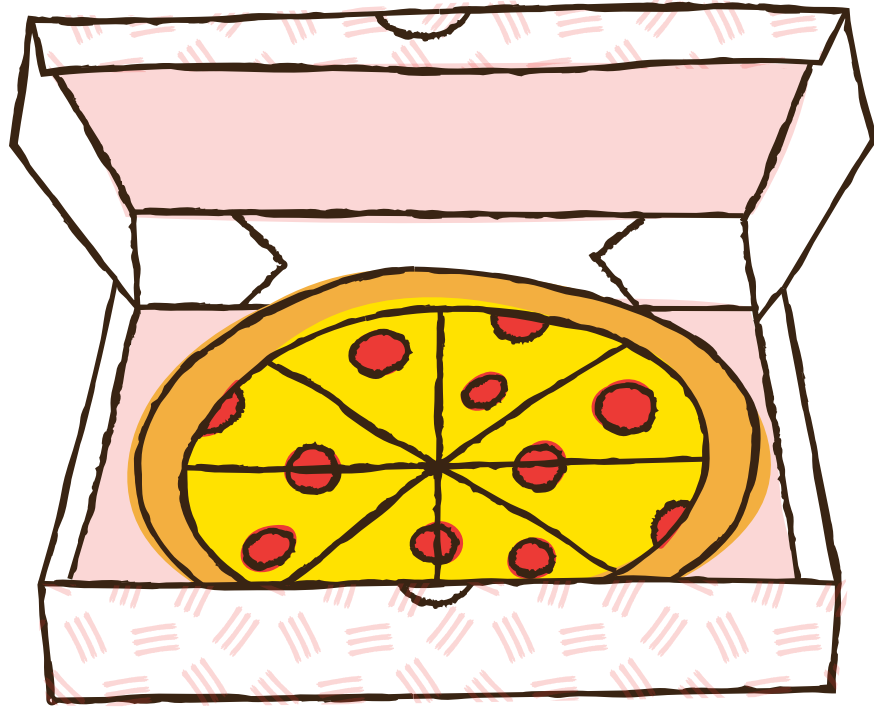


```
SELECT  
    ROUND(SUM((orders_details.quantity * pizzas.price)),  
          2) AS total_sales  
FROM  
    orders_details  
    JOIN  
    pizzas ON orders_details.pizza_id = pizzas.pizza_id
```



This pizza is amazing!

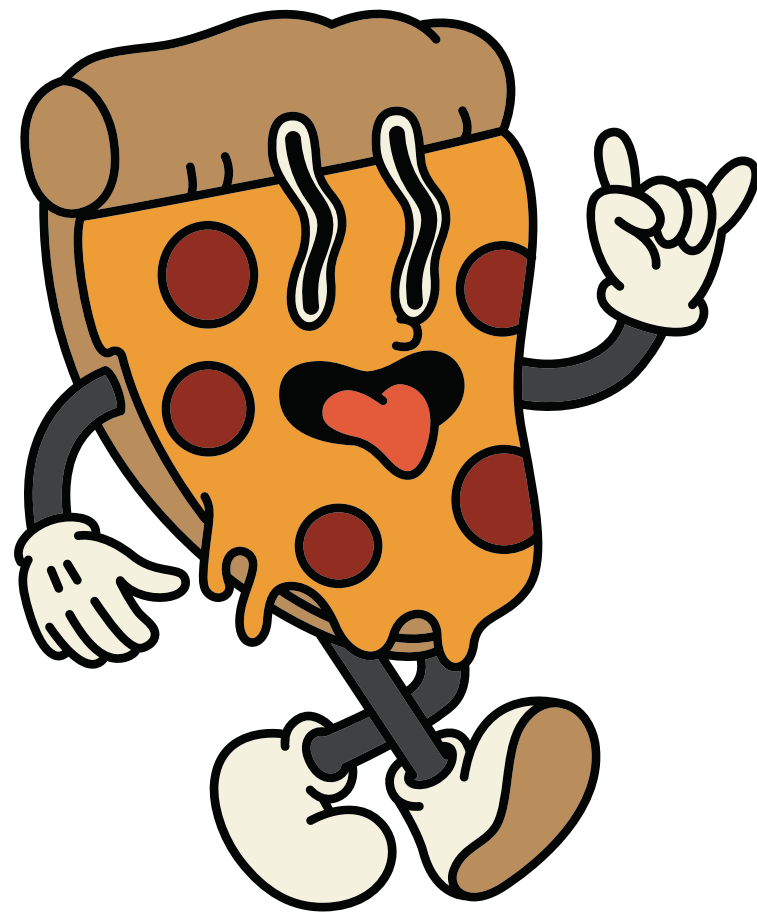
Retrieve the total number of orders placed



```
SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

Thank you for the pizza.

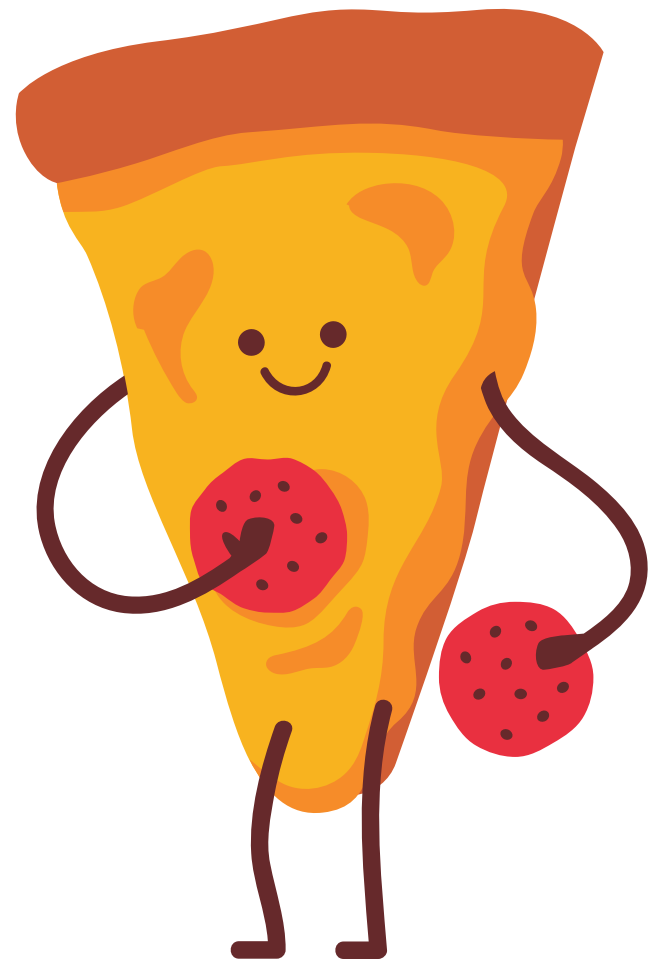
identify the most common pizza size ordered



```
use pizzahut;  
SELECT  
    pizzas.size,  
    COUNT(orders_details.order_details_id) AS order_count  
FROM  
    pizzas  
    JOIN  
    orders_details ON pizzas.pizza_id = orders_details.pizza_id  
GROUP BY pizzas.size  
ORDER BY order_count DESC;
```

Pizza Palace is where I buy pizza.

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



```
SELECT
    pizza_types.category,
    SUM(orders_details.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category;
```

Would you like some pizza?

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



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

I need cheese, tomato and olives.

Calculate the percentage contribution of each pizza type to total revenue

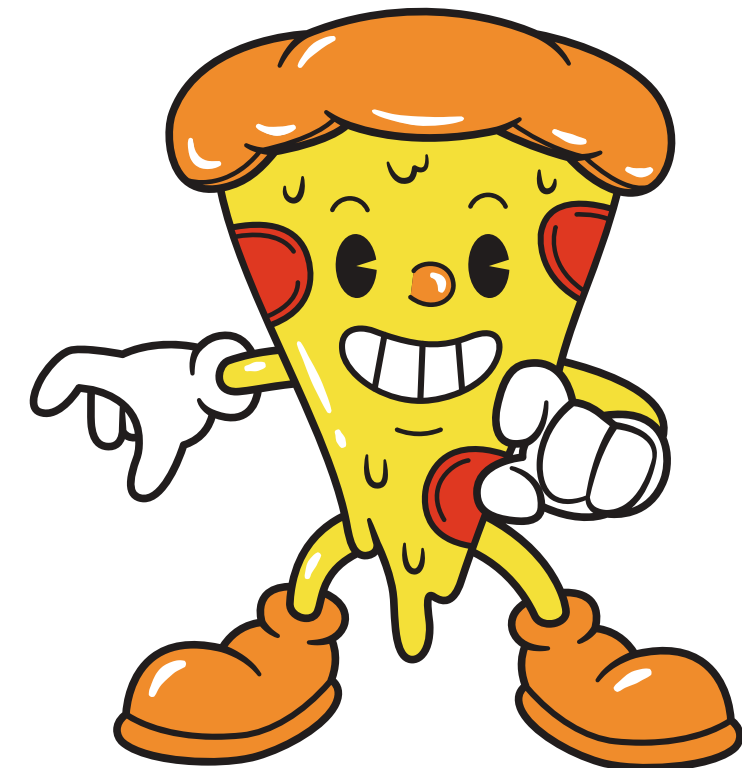


"This pizza is mine," said Dad.

```
SELECT
    pizza_types.category,
    ROUND((SUM(orders_details.quantity * pizzas.price) / (SELECT
        ROUND(SUM(orders_details.quantity * pizzas.price),
            2) AS total_sales
    FROM
        orders_details
        JOIN
        pizzas ON orders_details.pizza_id = pizzas.pizza_id)),
    2) * 100 AS revenue
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY revenue DESC;
```

Analyse the cumulative revenue generated over time.

```
select order_date,  
sum(revenue) over (order by order_date) as cum_revenue  
from  
(select orders.order_date,  
round(sum(orders_details.quantity*pizzas.price),2) as revenue  
from orders_details join pizzas  
on orders_details.pizza_id = pizzas.pizza_id  
join orders  
on orders.order_id = orders_details.order_id  
group by orders.order_date) as sales;
```



THANK YOU FOR YOUR PRECIOUS TIME.
NOW LET'S HAVE PIZZA PARTY!

