



Jack Pizza

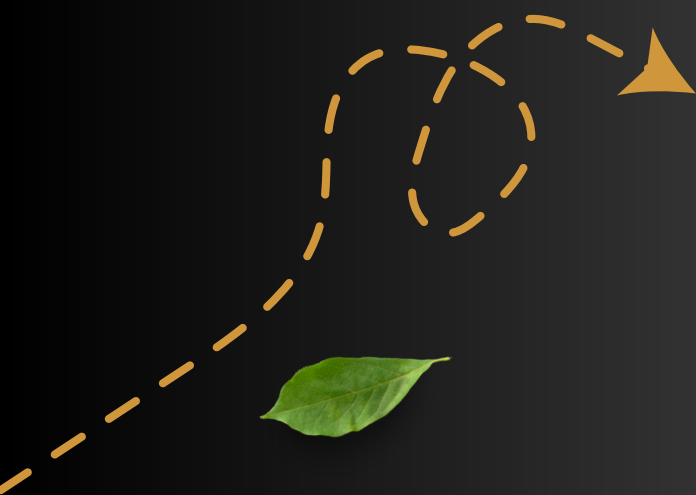
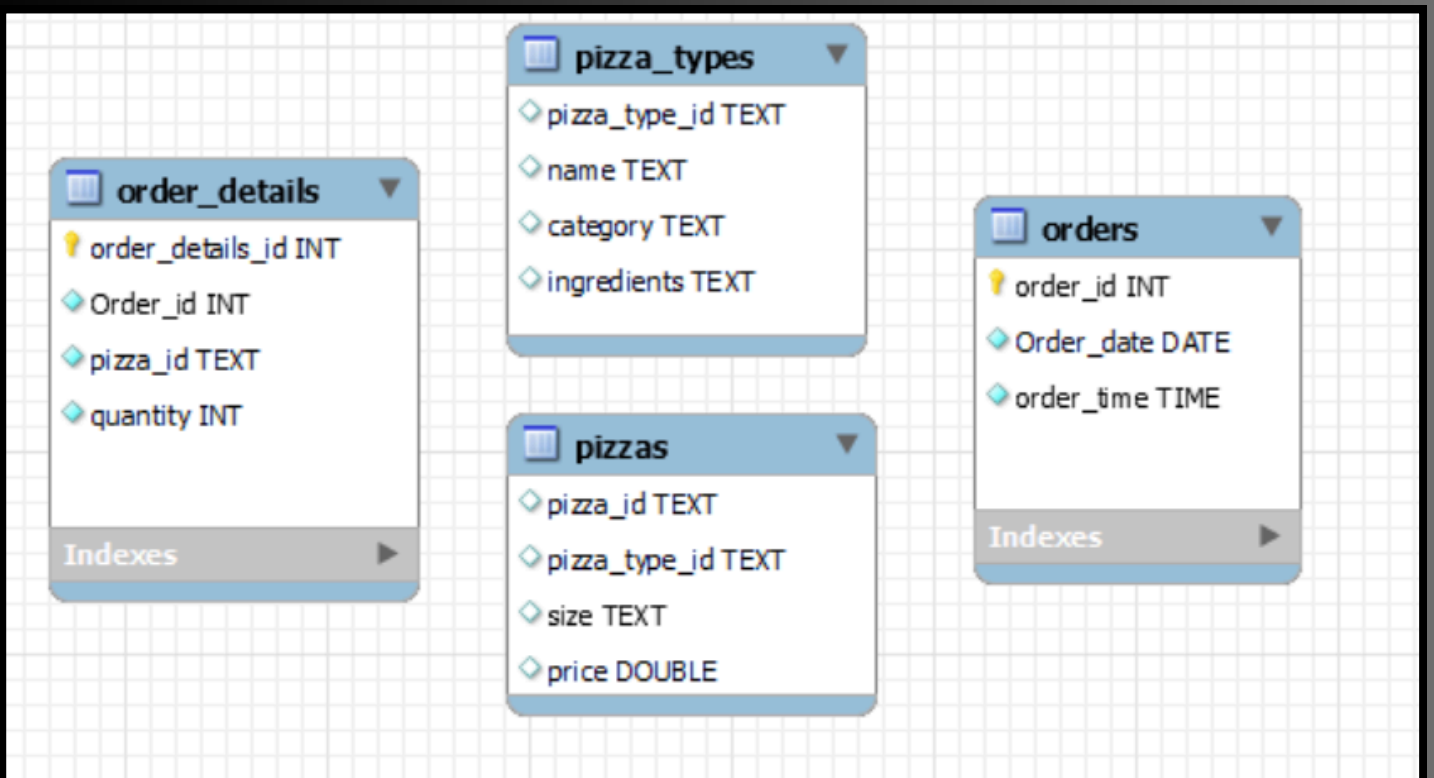


TASTE
THE
BEST
FROM
THE
OVEN





Input data



Jack Pizza



Retrieve the total number of orders placed.

```
select count(order_id) from orders;
```

```
count(order_id)
```

```
21350
```



Jack Pizza



*Calculate the total revenue generated from
pizza sales.*

```
SELECT  
    ROUND(SUM(quantity * price), 2) AS Total_revenue  
FROM  
    order_details o  
    JOIN  
    pizzas p USING (pizza_id);
```

Total_revenue

817860.05



Jack Pizza





Identify the highest-priced pizza.

```
Select name, price from pizzas join pizza_types  
using (pizza_type_id) order by price desc limit 1;
```

name	price
The Greek Pizza	35.95



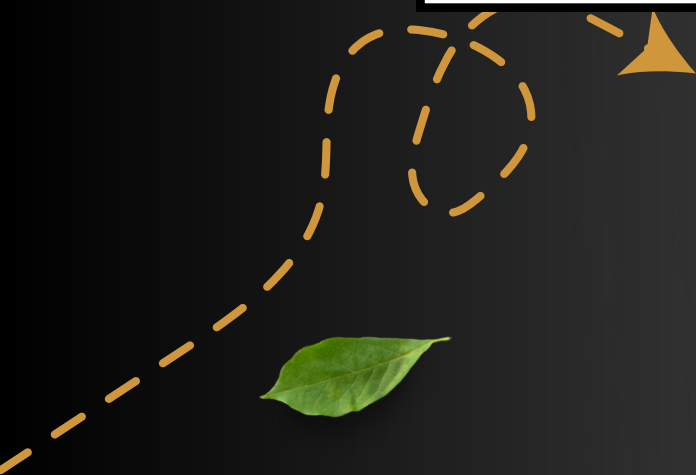
Jack Pizza



Identify the most common pizza size ordered.

```
Select size, count(order_details_id)as order_count from pizzas p join order_details  
using (pizza_id) group by size order by order_count desc;
```

size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28



Jack Pizza



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

```
Select name, sum(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 name
order by sum(quantity) desc limit 5;
```

name	sum(quantity)
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371



Jack Pizza





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

```
Select category,count(quantity) as quantity 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 category
order by quantity;
```

category	quantity
Chicken	10815
Veggie	11449
Supreme	11777
Classic	14579



Jack Pizza





Determine the distribution of orders by hour of the day.

```
Select hour(order_time), count(order_id) as order_count from orders  
group by hour(order_time);
```

hour(order_time)	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1

Jack Pizza



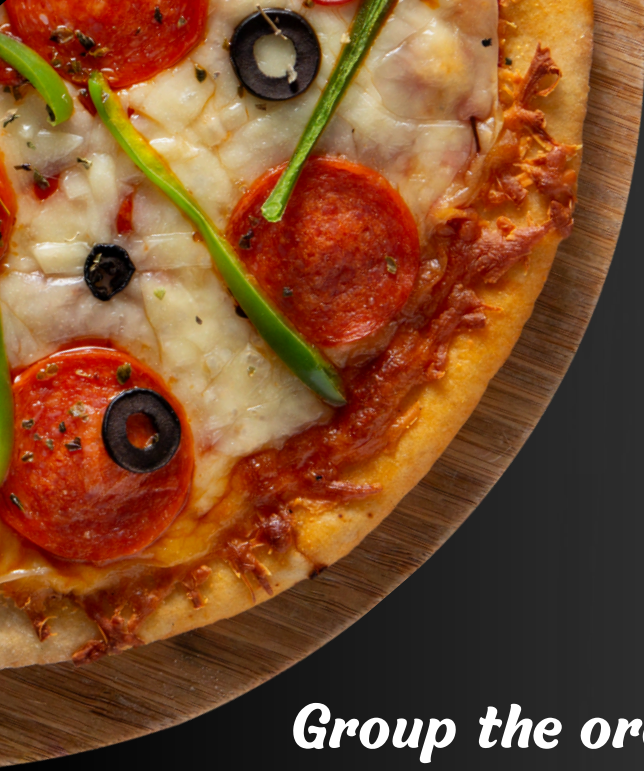
Join relevant tables to find the category-wise distribution of pizzas.

```
Select category, count(Order_id) as order_count 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 category;
```

category	order_count
Classic	14579
Veggie	11449
Supreme	11777
Chicken	10815



Jack Pizza



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

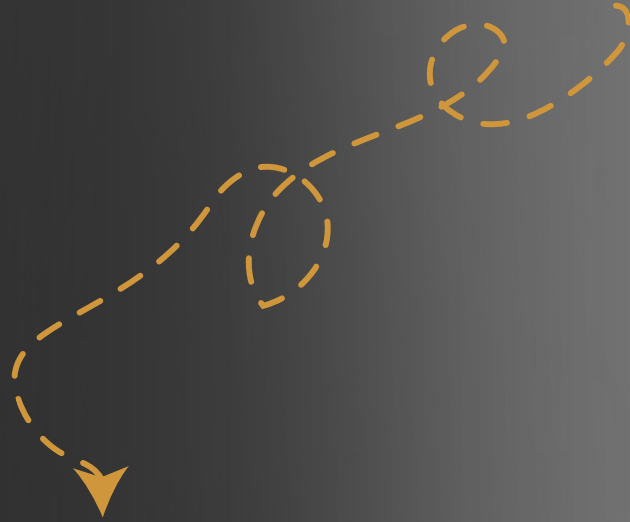
```
select round(avg(quantity),0)as Avg_pizza_ordered from  
(Select Order_date, sum(quantity) as quantity from order_details join orders  
on orders.order_id=order_details.Order_id  
group by Order_date) as order_quantity;
```

Avg_pizza_ordered

138



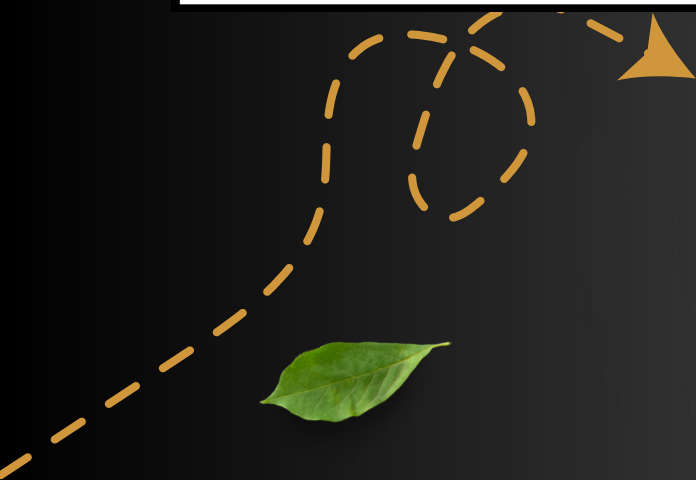
Jack Pizza



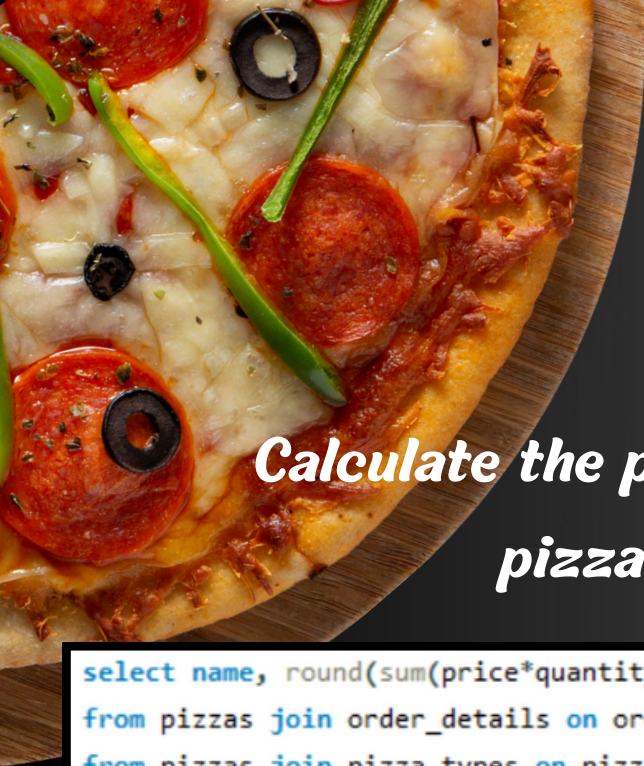
*Determine the top 3 most ordered pizza types
based on revenue.*

```
select name, round((sum(price*quantity))) as Revenue from pizzas join pizza_types  
on pizzas.pizza_type_id=pizza_types.pizza_type_id  
join order_details on order_details.pizza_id=pizzas.pizza_id  
group by name  
order by revenue desc limit 3;
```

name	Revenue
The Thai Chicken Pizza	43434
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41410



Jack Pizza



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

```
select name, round(sum(price*quantity) / (Select round(sum(price*quantity),0)
from pizzas join order_details on order_details.pizza_id=pizzas.pizza_id)*100,2) as Revenue
from pizzas join pizza_types on pizzas.pizza_type_id=pizza_types.pizza_type_id
join order_details on order_details.pizza_id=pizzas.pizza_id
group by name
order by revenue desc;
```

name	Revenue
The Thai Chicken Pizza	5.31
The Barbecue Chicken Pizza	5.23
The California Chicken Pizza	5.06
The Classic Deluxe Pizza	4.67
The Spicy Italian Pizza	4.26
The Southwest Chicken Pizza	4.24
The Italian Supreme Pizza	4.09
The Hawaiian Pizza	3.95
The Four Cheese Pizza	3.95
The Sicilian Pizza	3.78
The Pepperoni Pizza	3.69
The Greek Pizza	3.48
The Mexicana Pizza	3.27
The Five Cheese Pizza	3.19
The Pepper Salami Pizza	3.12
The Italian Capocollo Pizza	3.07

The Vegetables + Vegetable...	2.98
The Prosciutto and Arugula ...	2.96
The Napolitana Pizza	2.95
The Spinach and Feta Pizza	2.85
The Big Meat Pizza	2.81
The Pepperoni, Mushroom, ...	2.3
The Chicken Alfredo Pizza	2.07
The Chicken Pesto Pizza	2.04
The Soppressata Pizza	2.01
The Italian Vegetables Pizza	1.96
The Calabrese Pizza	1.95
The Spinach Pesto Pizza	1.91
The Mediterranean Pizza	1.88
The Spinach Supreme Pizza	1.87
The Green Garden Pizza	1.71
The Brie Carre Pizza	1.42

Jack Pizza



Analyze the cumulative revenue generated over time.

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

order_date	cum_revenue
2015-01-01	2713.85
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	23990.35
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.3
2015-01-14	32358.7
2015-01-15	34343.5
2015-01-16	36937.65
2015-01-17	39001.75



Jack Pizza



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

```
select name, category, revenue from
(select name, category, revenue,rank()
over(partition by category order by revenue desc)as Rnk from
(Select name, category, round(sum(price*quantity),2) as revenue
from pizzas join order_details on pizzas.pizza_id=order_details.pizza_id
join pizza_types on pizza_types.pizza_type_id=pizzas.pizza_type_id
group by name, category)as a)as b
where Rnk<=3;
```

name	category	revenue
The Thai Chicken Pizza	Chicken	43434.25
The Barbecue Chicken Pizza	Chicken	42768
The California Chicken Pizza	Chicken	41409.5
The Classic Deluxe Pizza	Classic	38180.5
The Hawaiian Pizza	Classic	32273.25
The Pepperoni Pizza	Classic	30161.75
The Spicy Italian Pizza	Supreme	34831.25
The Italian Supreme Pizza	Supreme	33476.75
The Sicilian Pizza	Supreme	30940.5
The Four Cheese Pizza	Veggie	32265.7
The Mexicana Pizza	Veggie	26780.75
The Five Cheese Pizza	Veggie	26066.5

Jack Pizza



Thank you



Jack Pizza