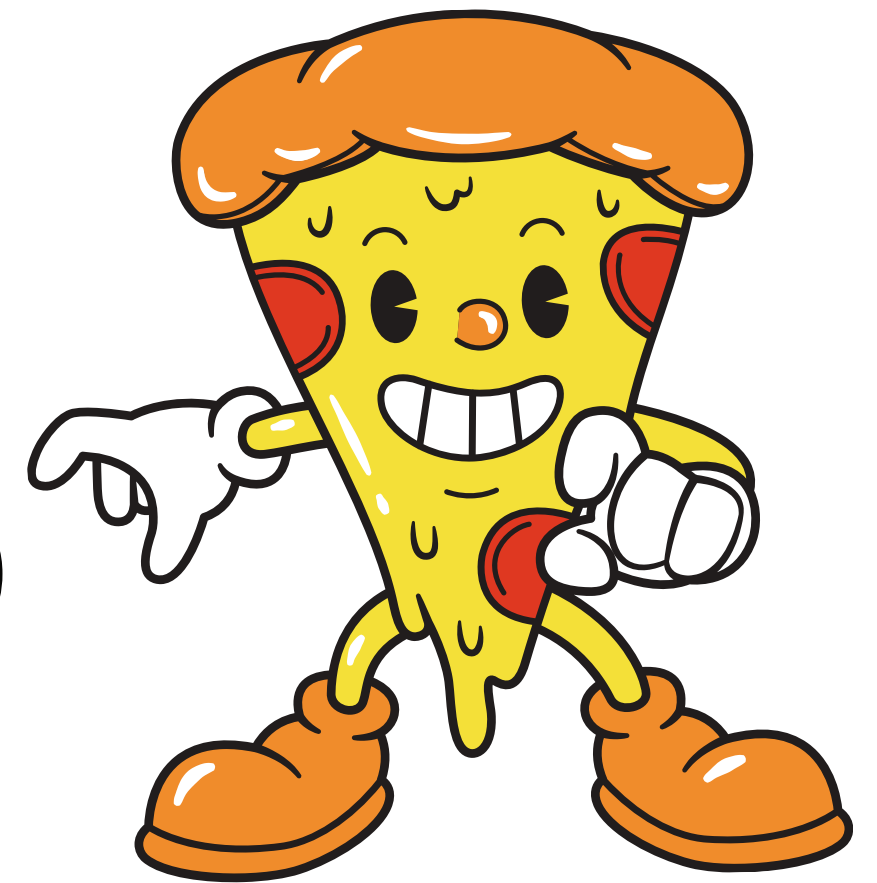


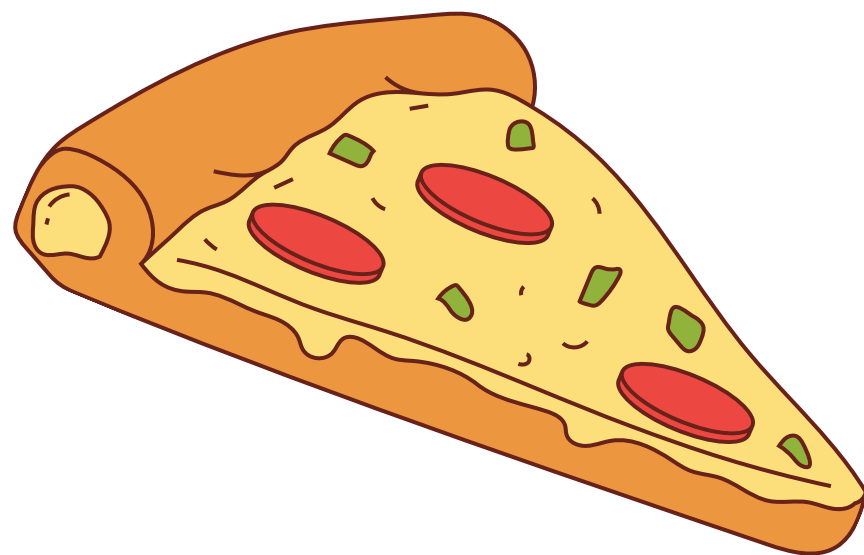
PIZZA SHOP

SQL INSIGHTS



Retrieve the total number of orders placed

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



Result Grid	
	total_orders
▶	21350

Calculate the total revenue generated from pizza sales

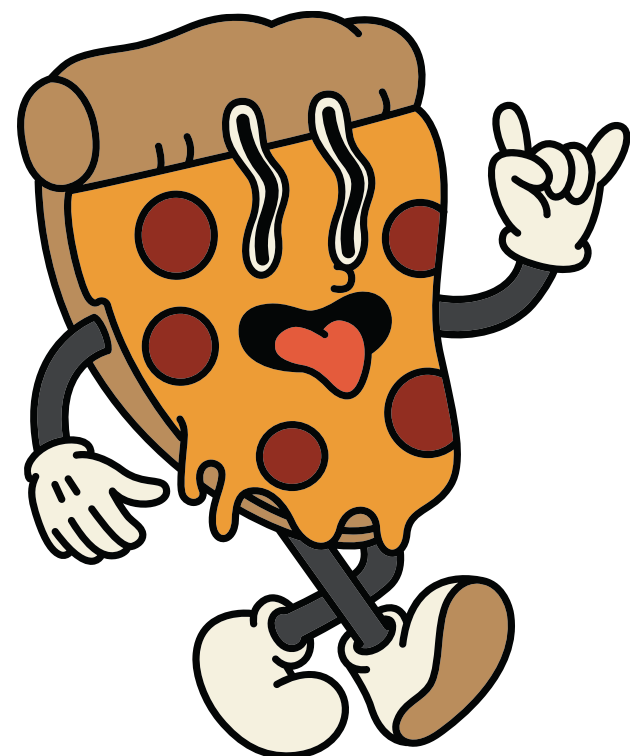
```
select round(sum(pizzas.price*order_details.quantity),2) as total_revenue_generated
from pizzas
join order_details
on pizzas.pizza_id = order_details.pizza_id;
```



Result Grid		Filter Rows:
	total_revenue_generated	
▶	817860.05	

Identify the highest-priced pizza

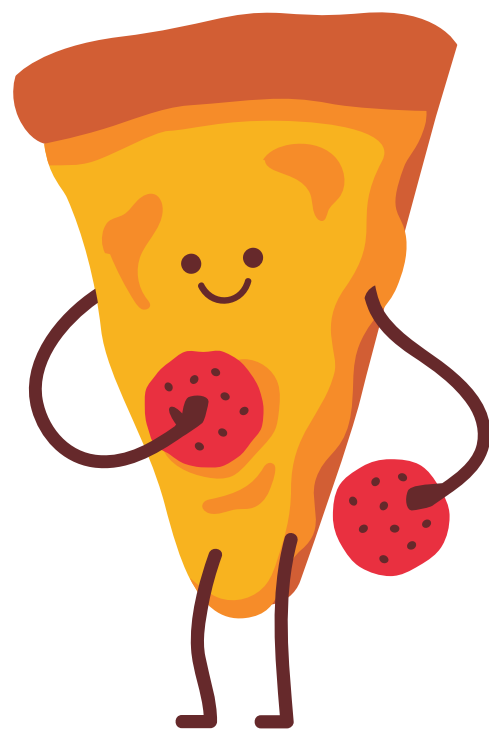
```
select pizza_types.name, pizzas.price as highestprice
from pizzas
join pizza_types on pizzas.pizza_type_id = pizza_types.pizza_type_id
order by highestprice desc;
```



Result Grid			Filter Rows:
	name	highestprice	
▶	The Greek Pizza	35.95	
	The Greek Pizza	25.5	
	The Brie Carre Pizza	23.65	
	The Italian Vegetables Pizza	21	
	The Spinach Supreme Pizza	20.75	
	The Barbecue Chicken Pizza	20.75	
	The California Chicken Pizza	20.75	
	The Spicy Italian Pizza	20.75	
	The Chicken Alfredo Pizza	20.75	

Identify the most common pizza size ordered

```
select pizzas.size, count(*) as ordercount
from pizzas
join order_details on pizzas.pizza_id = order_details.pizza_id
group by pizzas.size
order by ordercount desc;
```



Result Grid			Filter Rows:
	size	ordercount	
▶	L	18526	
	M	15385	
	S	14137	
	XL	544	
	XXL	28	

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

```
select pizza_types.name, sum(order_details.quantity) as totalquantity
from pizza_types
join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details on pizzas.pizza_id = order_details.pizza_id
group by pizza_types.name
order by totalquantity desc
limit 5;
```

Result Grid			Filter Rows:
	name	totalquantity	
▶	The Classic Deluxe Pizza	2453	
	The Barbecue Chicken Pizza	2432	
	The Hawaiian Pizza	2422	
	The Pepperoni Pizza	2418	
	The Thai Chicken Pizza	2371	



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

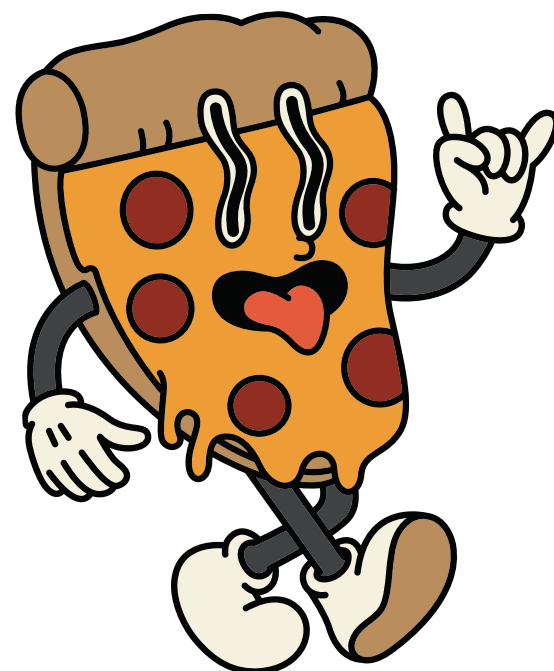
```
select pizza_types.category, sum(order_details.quantity) as totalquantity
from pizza_types
join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details on pizzas.pizza_id = order_details.pizza_id
group by pizza_types.category
order by totalquantity desc;
```



Result Grid			Filter Rows:
	category	totalquantity	
▶	Classic	14888	
	Supreme	11987	
	Veggie	11649	
	Chicken	11050	

Determine the distribution of orders by hour of the day

```
select hour(orders.time) as perhour,  
count(orders.order_id) as order_count  
from orders  
group by perhour  
order by order_count desc;
```




Result Grid			Filter Rows:
	perhour	order_count	
▶	12	2520	
	13	2455	
	18	2399	
	17	2336	
	19	2009	
	16	1920	

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

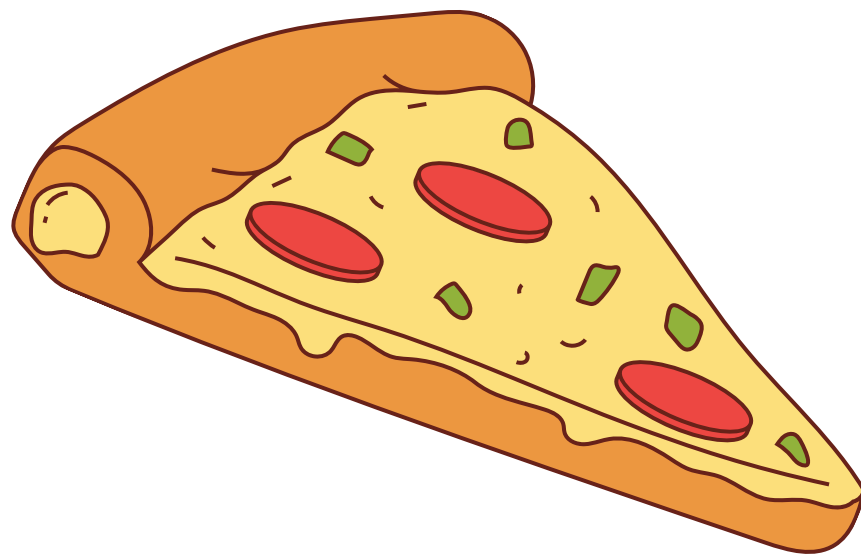
```
select pizza_types.category, pizza_types.name, count(pizzas.pizza_id) AS pizza_count
from pizza_types
join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details on pizzas.pizza_id = order_details.pizza_id
group by pizza_types.category, pizza_types.name
order by pizza_count desc;
```



Result Grid  Filter Rows: <input type="text"/> Export			
	category	name	pizza_count
▶	Classic	The Classic Deluxe Pizza	2416
	Chicken	The Barbecue Chicken Pizza	2372
	Classic	The Hawaiian Pizza	2370
	Classic	The Pepperoni Pizza	2369
	Chicken	The Thai Chicken Pizza	2315
	Chicken	The California Chicken Pizza	2302
	Supreme	The Spicy Italian Pizza	1887
	Supreme	The Sicilian Pizza	1887

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

```
select round(avg(sum_quantity),0) as Average_Pizza_Ordered_PerDay
from (select orders.date, sum(order_details.quantity) as sum_quantity
from orders
join order_details
on orders.order_id = order_details.order_id
group by orders.date) as new_table;
```



Result Grid		Filter Rows:
	Average_Pizza_Ordered_PerDay	
▶	138	

Determine the top 3 most ordered pizza types based on revenue

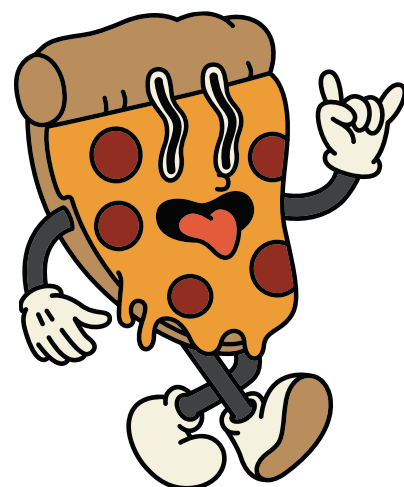
```
select pizza_types.name, round(sum(pizzas.price*order_details.quantity)) as revenue
from pizza_types
join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details on pizzas.pizza_id = order_details.pizza_id
group by pizza_types.name
order by revenue desc
limit 3;
```

Result Grid			Filter Rows:
	name	revenue	
▶	The Thai Chicken Pizza	43434	
	The Barbecue Chicken Pizza	42768	
	The California Chicken Pizza	41410	



Calculate the percentage contribution of each pizza type to total revenue

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



Result Grid			Filter Rows:
	category	percentage	
▶	Classic	27	
	Supreme	25	
	Veggie	24	
	Chicken	24	

Analyze the cumulative revenue generated over time

```
select date, sum(revenue) over(order by date) as cumulative_revenue
from
(select orders.date,sum(order_details.quantity*pizzas.price) as revenue
from orders
join order_details on orders.order_id = order_details.order_id
join pizzas on order_details.pizza_id = pizzas.pizza_id
group by orders.date) as sales;
```



Result Grid			Filter Rows:
	date	cumulative_revenue	
▶	2015-01-01	2713.8500000000004	
	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	

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

```
select category, name, revenue, ranking
from
(select category,name,revenue,
rank() over(partition by category order by revenue desc) as Ranking
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 pizzas.pizza_id = order_details.pizza_id
group by pizza_types.category, pizza_types.name) as a ) as b
where Ranking <=3;
```



Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell				
	category	name	revenue	ranking
▶	Chicken	The Thai Chicken Pizza	43434.25	1
	Chicken	The Barbecue Chicken Pizza	42768	2
	Chicken	The California Chicken Pizza	41409.5	3
	Classic	The Classic Deluxe Pizza	38180.5	1
	Classic	The Hawaiian Pizza	32273.25	2
	Classic	The Pepperoni Pizza	30161.75	3
	Supreme	The Spicy Italian Pizza	24921.25	1

PIZZA PARTY!

