



SQL PROJECT



Pizza Sales

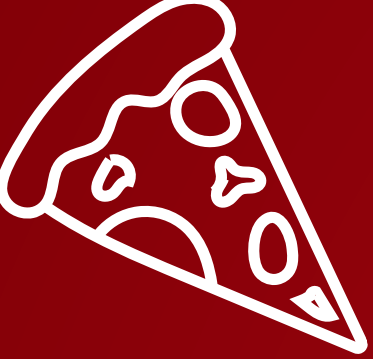




HELLO!

To analyze and derive actionable insights from pizza sales data using SQL queries, focusing on optimizing sales performance, understanding customer preferences, and improving business strategies.

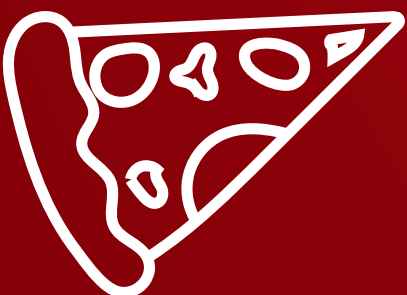


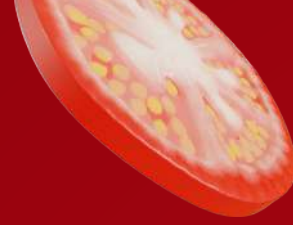
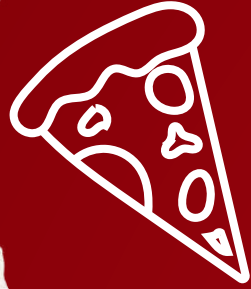


Identify the highest-priced pizza.

```
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

Result Grid			Filter Rows	
	name	price		
▶	The Greek Pizza	35.95		





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

```
SELECT  
    ROUND(AVG(quantity), 0)  
FROM  
    (SELECT  
        Orders.order_date, SUM(Order_details.quantity) AS quantity  
    FROM  
        Orders  
    JOIN Order_details ON Orders.Order_id = Order_details.Order_id  
    GROUP BY Orders.order_date) AS order_quantity;
```



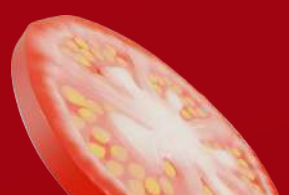
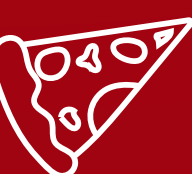
Result Grid		Filter Rows:
	ROUND(AVG(quantity), 0)	
▶	138	



Determine the distribution of orders by hour of the day.

```
SELECT
    HOUR(Order_time) AS hour, COUNT(order_id) AS order_count
FROM
    Orders
GROUP BY HOUR(order_time);
```

Result Grid				Filter
	hour	order_count		
▶	11	1231		
	12	2520		
	13	2455		
	14	1472		
	15	1468		



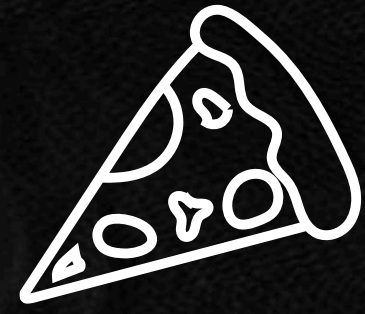


Calculate the total revenue generated from pizza sales.

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

Result Grid	
	total_sales
▶	817860.05







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

```
SELECT
    pizza_types.name, SUM(Order_details.quantity) AS 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 pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```



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

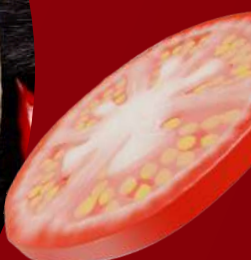
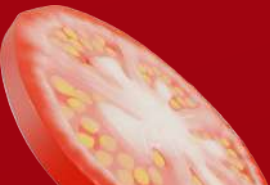
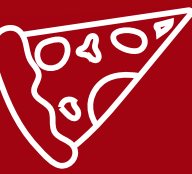




Identify the most common pizza size ordered.

```
SELECT
  pizzas.size,
  COUNT(Order_details.Order_details_id) AS order_count
FROM
  pizzas
  JOIN
    Order_details ON pizzas.pizza_id = Order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

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

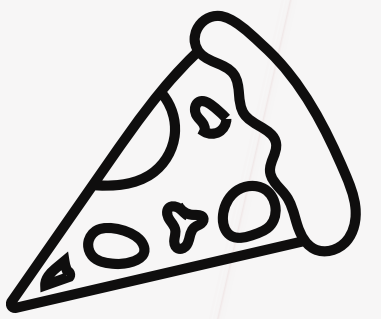
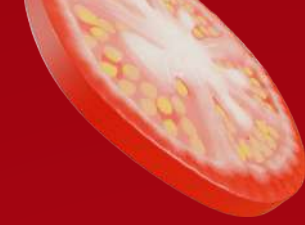
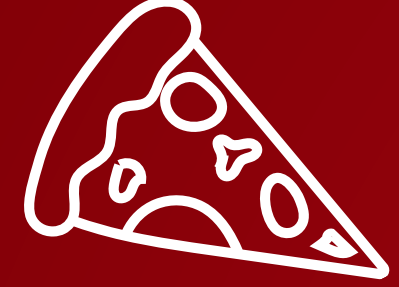




Join the necessary tables to find the total quantity of each pizza category ordered.

```
SELECT
    pizza_types.category,
    SUM(Order_details.quantity) AS 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 pizza_types.category
ORDER BY quantity DESC;
```

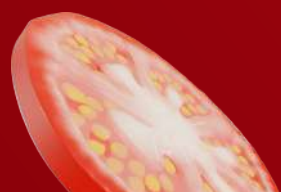
Result Grid			Filter
	category	quantity	
▶	Classic	14888	
	Supreme	11987	
	Veggie	11649	
	Chicken	11050	



Retrieve the total number of orders placed.

```
SELECT  
    COUNT(Order_id) AS total_orders  
FROM  
    Orders;
```

Result Grid			
	total_orders		
▶	21350		





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

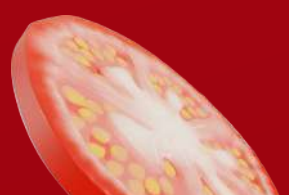
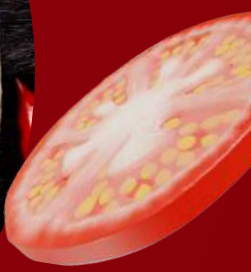
```
SELECT  
    category, COUNT(name)  
FROM  
    pizza_types  
GROUP BY category;
```

Result Grid			Filter Rows
	category	COUNT(name)	
▶	Chicken	6	
	Classic	8	
	Supreme	9	
	Veggie	9	

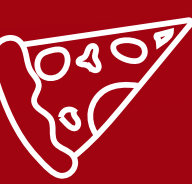


Determine the top 3 most ordered pizza types based on revenue.

```
SELECT
  pizza_types.name,
  SUM(Order_details.quantity * pizzas.price) AS revenue
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.name
ORDER BY revenue DESC
LIMIT 3;
```



Result Grid			Filter Rows:
	name	revenue	
▶	The Thai Chicken Pizza	43434.25	
	The Barbecue Chicken Pizza	42768	
	The California Chicken Pizza	41409.5	



THANK YOU!

