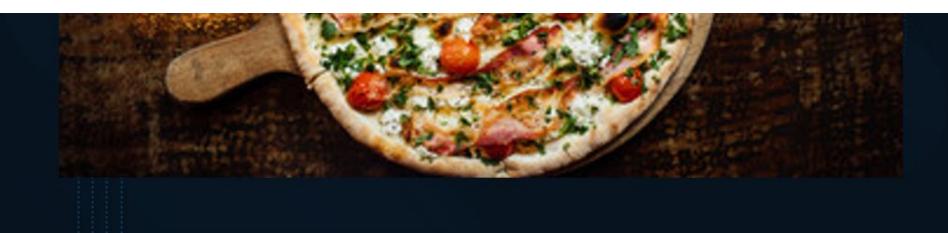
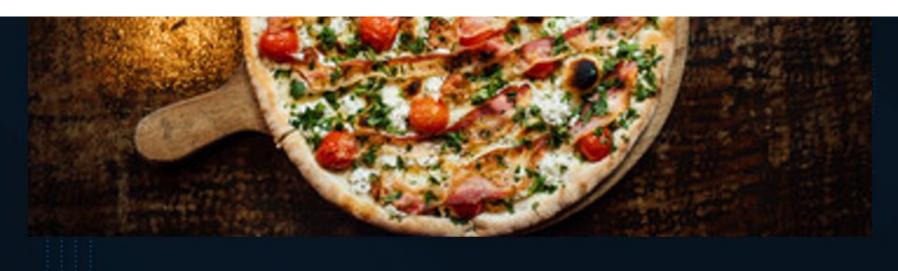


PIZZA SALES ANALYSIS USING MySQL

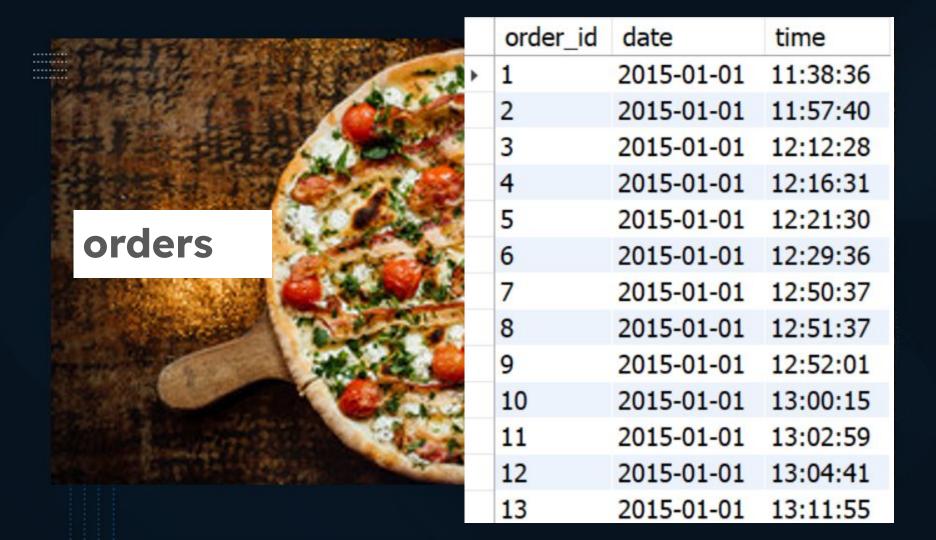




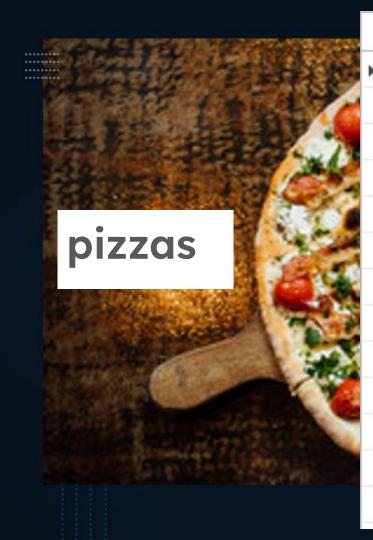
DATA OVERVIEW



	order_details_id	order_id	pizza_id	quantity	UNIA CALLANDARMA TOTALIA TA ALIESTA GARANTA MISSA
٠	1	1	hawaiian_m	1	
	2	2	classic_dlx_m	1	
	3	2	five_cheese_l	1	
	4	2	ital_supr_l	1	andan dataila
	5	2	mexicana_m	1	order_details
	6	2	thai_ckn_l	1	
	7	3	ital_supr_m	1	
	8	3	prsc_argla_l	1	
	9	4	ital_supr_m	1	
	10	5	ital_supr_m	1	
	11	6	bbq_ckn_s	1	
	12	6	the_greek_s	1	
	13	7	spinach_sup	1	

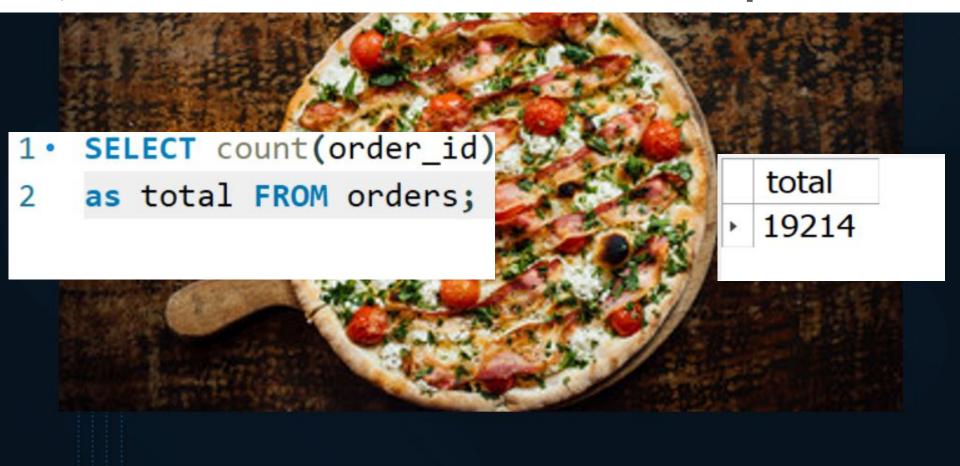


	pizza_type_id	name	category	ingredients	
١	bbq_ckn	The Barbecue Chicken Pi	Chicken	Barbecued Chicken, Red	The state of the s
	cali_ckn	The California Chicken Pi	Chicken	Chicken, Artichoke, Spin	
	ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Re	
	ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red	
	southw_ckn	The Southwest Chicken	Chicken	Chicken, Tomatoes, Red	
	thai_ckn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tom	pizza_types
	big_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italia	A PROPERTY OF THE PARTY OF THE
	classic_dlx	The Classic Deluxe Pizza	Classic	Pepperoni, Mushrooms,	
	hawaiian	The Hawaiian Pizza	Classic	Sliced Ham, Pineapple,	
	ital_cpcllo	The Italian Capocollo Piz	Classic	Capocollo, Red Peppers,	
	napolitana	The Napolitana Pizza	Classic	Tomatoes, Anchovies, G	ACCUPATION NAMED IN
	pep_msh_pep	The Pepperoni, Mushroo	Classic	Pepperoni, Mushrooms,	
	pepperoni	The Pepperoni Pizza	Classic	Mozzarella Cheese, Pepp	

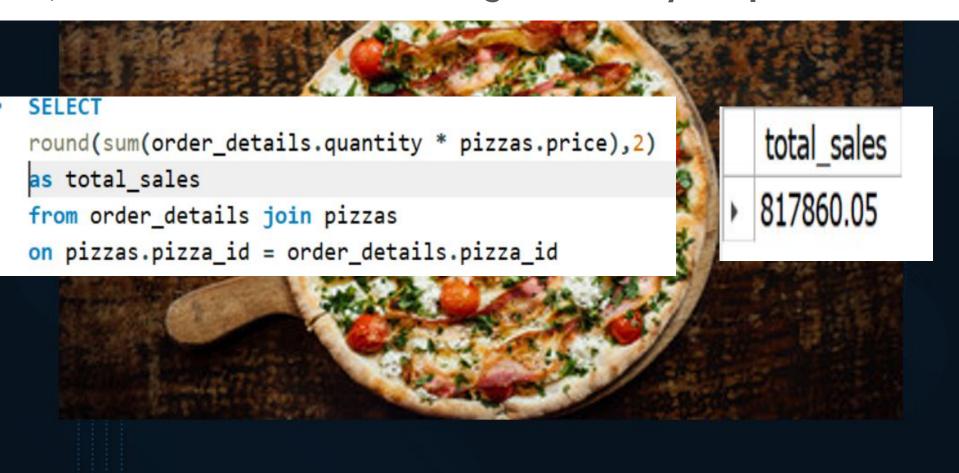


pizza_id	pizza_type_id	size	price
bbq_ckn_s	bbq_ckn	S	12.75
bbq_ckn_m	bbq_ckn	M	16.75
bbq_ckn_l	bbq_ckn	L	20.75
cali_ckn_s	cali_ckn	S	12.75
cali_ckn_m	cali_ckn	M	16.75
cali_ckn_l	cali_ckn	L	20.75
ckn_alfredo_s	ckn_alfredo	S	12.75
ckn_alfredo_r	m ckn_alfredo	M	16.75
ckn_alfredo_l	ckn_alfredo	L	20.75
ckn_pesto_s	ckn_pesto	S	12.75
ckn_pesto_m	ckn_pesto	M	16.75
ckn_pesto_l	ckn_pesto	L	20.75
southw_ckn_s	s southw_ckn	S	12.75

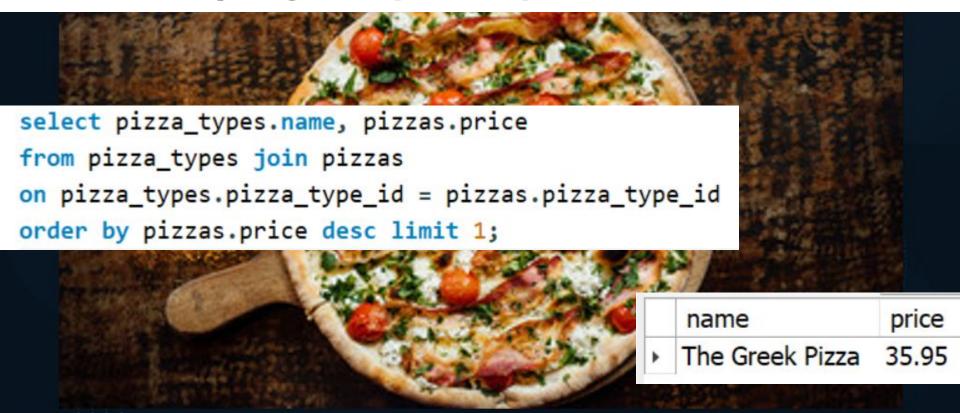
Q1) Retrieve the total number of orders placed.



Q2) Calculate the total revenue generated by the pizza sales?



Q3) Identify highest priced pizza



Q4) Identify the most common pizza size ordered



Q5) List the top 5 most ordered pizza types along with their

```
quantities.
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
FROM
                                                                                            quantity
                                                                   name
    pizza_types
                                                                   The Classic Deluxe Pizza
                                                                                           2453
        JOIN
                                                                   The Barbecue Chicken Pi... 2432
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
```

JOIN order_details ON order_details.pizza_id = pizzas.pizza_id

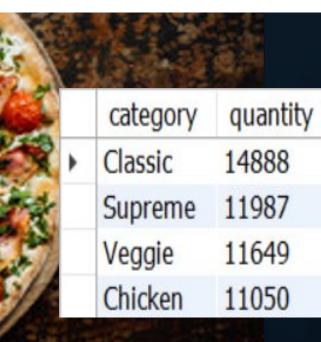
GROUP BY pizza_types.name

ORDER BY quantity DESC LIMIT 5;

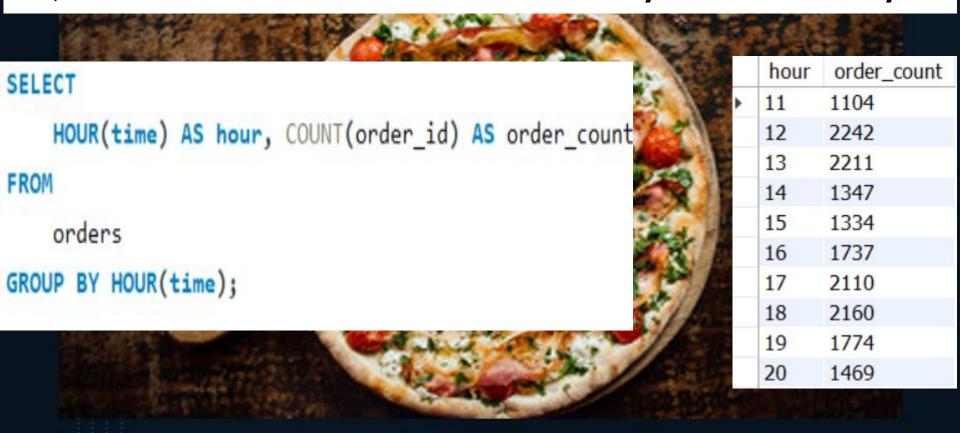
The Hawaiian Pizza 2422 The Pepperoni Pizza 2418 The Thai Chicken Pizza 2371

Q6) 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;
```



Q7) Determine the distribution of orders by hour of the day.



Q8) Join relevant tables to find the category-wise distribution of pizzas.



Q9) 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;
```



Q 10) Calculate the percentage contribution of each pizza type to total revenue.

```
SELECT
    pizza_types.category,
    ROUND (
                                                                                                    category
                                                                                                                revenue
        SUM(order details.quantity * pizzas.price) / (
                                                                                                   Classic
                                                                                                               26.91
            SELECT ROUND(SUM(order_details.quantity * pizzas.price), 2) AS total_sales
            FROM order_details
                                                                                                   Supreme
                                                                                                               25,46
            JOIN pizzas ON pizzas.pizza id = order details.pizza id
        ) * 100,
                                                                                                   Chicken
                                                                                                               23,96
                                                                                                               23.68
                                                                                                   Veggie
     AS revenue
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 revenue DESC;
```

Q 11) Analyze the cumulative revenue generated over time.

select order date, sum(revenue) over(order by order_date) as cum_revenue from order_date cum_revenue (select orders.order_date, 2015-01-01 2713.85000000000004 sum(order_details.quantity * pizzas.price) as revenue 2015-01-02 5445.75 2015-01-03 8108.15 from order details join pizzas 2015-01-04 9863.6 on order details.pizza id = pizzas.pizza id 2015-01-05 11929.55 join orders on orders.order_id = order_details.order_id group by orders.order_date) as sales;