



WELCOME TO PIZZA PALACE

Pizza Palace is known for its authentic flavors, crafted with fresh, high quality ingredients that bring every slice to life. With a menu offering something for everyone, from classic favorites to innovative creations, we take pride in delivering exceptional quality and taste. Our commitment to customer satisfaction is reflected in our friendly service, fast delivery, and convenient dine in options, making every experience with Pizza Palace truly unforgettable.







OUR MENU

Pízza Palace offers a díverse menu designed to delight every palate. From tímeless classics like Margherita and Pepperoni to bold, innovative creations, our pizzas are crafted with premium ingredients and signature recipes. Complement your meal with a selection of fresh salads, hearty pastas, and indulgent sides, all thoughtfully prepared to ensure a satisfying dining experience. At Pizza Palace, there's something delicious for everyone to enjoy.

CHICKEN LOVERS' SPECIALS

- The Barbecue Chicken Pizza
- The California Chicken Pizza
- The Chicken Alfredo Pizza
- •The Chicken Pesto Pizza
- The Southwest Chicken Pizza
 - The Thai Chicken Pizza

MEAT MASTERPIECES

- The Big Meat Pizza
- The Classic Deluxe Pizza
- The Italian Capocollo Pizza
 - The Pepper Salami Pizza
- The Prosciutto and Arugula Pizza
 - The Sicilian Pizza
 - The Soppressata Pizza
 - The Spicy Italian Pizza



The Five Cheese Pizza The Four Cheese Pizza



VEGGIE SENSATIONS

- The Green Garden Pizza
- The Italian Vegetables Pizza
 - The Mediterranean Pizza
 - The Spinach Pesto Pizza
- The Spinach and Feta Pizza
- The Vegetables + Vegetables Pízza

FIGNATURE CLASSICS

- The Pepperoni Pizza
- The Hawaiian Pizza
- The Napolitana Pizza
- The Pepperoni, Mushroom, and Peppers Pizza
 - The Brie Carre Pizza
 - The Calabrese Pizza
 - The Italian Supreme Pizza







QUESTIONS



BASIC

- Retrieve the total number of orders placed.
- Calculate the total revenue generated from pizza sales.
 - Identify the highest-priced pizza.
 - Identify the most common pizza size ordered.
- List the top 5 most ordered pizza types along with their quantities.

INTERMEDIATE

- Join the necessary tables to find the total quantity of each pizza category ordered.
 - Determine the distribution of orders by hour of the day.
 - Join relevant tables to find the category wise distribution of pizzas.
- Group the orders by date and calculate the average number of pizzas ordered per day.
 - Determine the top 3 most ordered pizza types based on revenue.

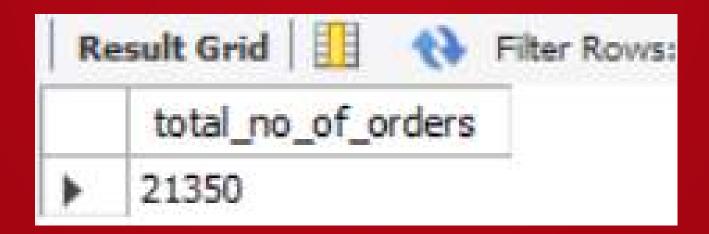
ADVANCED

- Calculate the percentage contribution of each pizza type to total revenue.
 - Analyze the cumulative revenue generated over time.
- \bullet Determine the top ${f 3}$ most ordered pizza types based on revenue for each pizza category.





- -- Retrieve the total number of orders placed.
- use pizza_palace;
- select count(order_id) as total_no_of_orders from orders;



PIZZA PALACE

```
-- Calculate the total revenue generated from pizza sales.

SELECT

ROUND(SUM(order_details.quantity * pizzas.price),

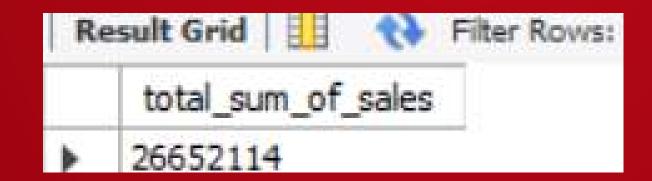
2) AS total_sum_of_sales

FROM

order_details

JOIN

pizzas ON order_details.pizza_id = pizzas.pizza_id;
```





```
-- Identify the highest-priced pizza.

SELECT

pizza_types.name AS highest_priced_pizzas, pizzas.price

FROM

pizza_types
join pizzas

on pizza_types.pizza_type_id = pizzas.pizza_type_id

order by price desc limit 11;
```

Result Grid		Export:
highest_priced_pizzas	price	
The Barbecue Chicken Pizza	799	_
The Pepperoni, Mushroom, and Peppers Pizza	799	
The Southwest Chicken Pizza	799	
The California Chicken Pizza	799	
The Spinach Supreme Pizza	799	
The Four Cheese Pizza	799	
The Chicken Alfredo Pizza	799	
The Thai Chicken Pizza	799	
The Five Cheese Pizza	799	
The Chicken Pesto Pizza	799	
The Spicy Italian Pizza	799	



```
-- List the top 5 most ordered pizza types along with their quantities
SELECT
    pizza_types.name AS most_common,
    SUM(order_details.quantity) A5 total_orders
FROM
    pizzas
join pizza_types
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_details
on pizzas.pizza_id = order_details.pizza_id
group by most_common
order by total_orders desc limit 5;
```

R	esult Grid 🔠 💎 Filter Ro	WS:	
	most_common	total_orders	
Þ	The Classic Deluxe Pizza	2453	
	The Barbecue Chicken Pizza	2432	
	The Hawaiian Pizza	2422	
	The Pepperoni Pizza	2418	
	The Thai Chicken Pizza	2371	



```
-- determine the distribution of orders by hour of the day

SELECT

COUNT(order_id) AS pizzas_no,

HOUR(order_time) AS time_in_hour

FROM

orders

GROUP BY time_in_hour;
```

Re	sult Grid	Filter Rov
	pizzas_no	time_in_hour
d	1231	11
	2520	12
	2455	13
	1472	14
	1468	15
	1920	16
	2336	17
	2399	18
	2009	19
	1642	20
	1198	21



```
-- determine the distribution of orders by hour of the day
```

SELECT

```
COUNT(order_id) AS pizzas_no,
HOUR(order_time) AS time_in_hour
```

FROM

orders

GROUP BY time_in_hour;

R	esult Grid	Filter Rows:
	pizzas_no	time_in_hour
>	1231	11
	2520	12
	2455	13
	1472	14
	1468	15
	1920	16
	2336	17
	2399	18
	2009	19
	1642	20
	The second secon	



```
DATE(orders.order_date) AS date,

ROUND(SUM(quantity), 2) AS sum_in_day

from order_details

join orders

on orders.order_id = order_details.order_id

group by date;
```

	date	sum_in_day
•	2023-01-01	162
	2023-01-02	165
	2023-01-03	158
	2023-01-04	106
	2023-01-05	125
	2023-01-06	147
	2023-01-07	138
	2023-01-08	173
	2023-01-09	127
	2023-01-10	146
	2023-01-11	116



```
-- group the orders by date and calculate average number of orders per day

SELECT ROUND(AVG(quantity), 0) AS orders_avg_per_day

FROM (SELECT

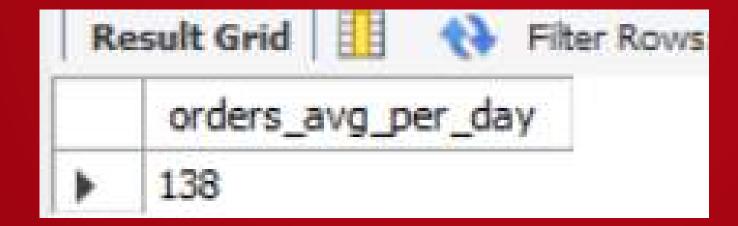
DATE(orders.order_date) AS date, SUM(quantity) AS quantity

FROM

order_details

JOIN orders ON orders.order_id = order_details.order_id

GROUP BY date) AS order_quantity;
```







```
-- select top 5 most ordered pizzas based on revenue
select pizza_types.name as PIZZA , sum(order_details.quantity*pizzas.price)
from pizzas
join order_details
on pizzas.pizza_id = order_details.pizza_id
join pizza_types
on pizzas.pizza_type_id = pizza_types.pizza_type_id
group by PIZZA
order by revenue desc limit 5 ;
```

Result Grid 1		ws:
	PIZZA	revenue
٠	The Thai Chicken Pizza	1606229
	The Barbecue Chicken Pizza	1558368
	The California Chicken Pizza	1505230
	The Four Cheese Pizza	1373198
	The Classic Deluxe Pizza	1281497



```
-- calculate the percentage contribution of each pizza types
-- to total revenue
SELECT
    pizza_types.category AS type_of_pizza,
    (SUM(order_details.quantity * pizzas.price) / (SELECT
           SUM(order_details.quantity * pizzas.price) AS sales
FROM
    pizzas
JOIN order_details
ON
pizzas.pizza_id = order_details.pizza_id)) * 100 AS total_revenue
FROM
    pizzas
        JOIN
    pizza_types
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_details
on pizzas.pizza_id = order_details.pizza_id
group by pizza_types.category
order by total_revenue desc ;
```



R	esult Grid	Filter Rows:	
	type_of_pizza	total_revenue	
	Classic	26.9701	
	Chicken	26.8667	
	Supreme	25.9031	
	Veggie	20.2601	



```
SELECT orders.order_date,

SUM(order_details.quantity * pizzas.price) AS revenue,

SUM(SUM(order_details.quantity * pizzas.price))

OVER (ORDER BY orders.order_date) AS cum_revenue

FROM order_details

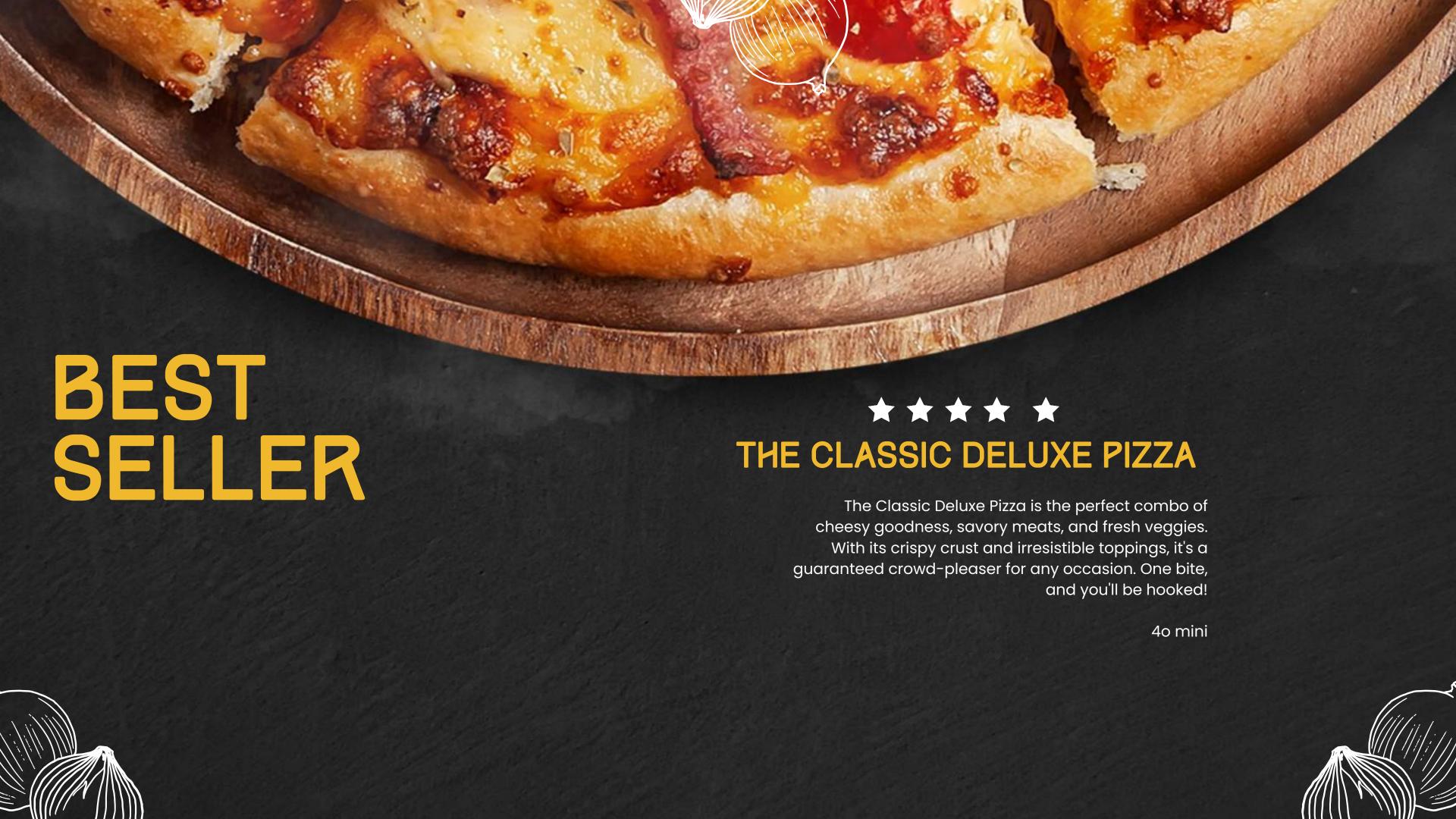
JOIN pizzas ON order_details.pizza_id = pizzas.pizza_id

JOIN orders ON order_details.order_id = orders.order_id

GROUP BY orders.order_date

ORDER BY orders.order_date;
```

	order_date	revenue	cum_revenue
•	2023-01-01	90490	90490
	2023-01-02	90837	181327
	2023-01-03	86348	267675
	2023-01-04	58436	326111
	2023-01-05	68097	394208
	2023-01-06	78859	473067
	2023-01-07	70242	543309
	2023-01-08	93083	636392
	2023-01-09	69345	705737
	2023-01-10	79464	785201
	2023-01-11	58390	843591







CREDIT COURTESY AND CITATIONS





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THANK YOU!

