

Where Every Slice is a Taste of Perfection

WELCOME TO PIZZA RESTO





ABOUT OUR PIZZA RESTO

This projects is made by using "SQL " queries in this projects we use all the important concept of sql like we uses join , having clause , agregate functon and window function which give you all the answer of the question .

OUR SALES

Short Info About Sales

in this sales report we share all the information related to our sales which we made and which pizza category , name and who contributes to the most in the revenue.



For this report we use “SQL QUIRIES ” to find the details .
in this project we mostly use “JOINS, GROUP BY , HAVING
CLAUSE AND WINDOW FUNCTION.





-- Retrieve the total number of orders placed

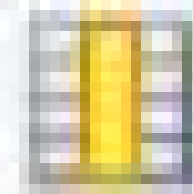
SELECT

COUNT(order_id) as tota_order

FROM

orders;

Result Grid



tota_order



21350



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

```
SELECT
```



```
    ROUND(SUM(order_details.quantity * pizzas.price),  
           2) AS total_revenue
```

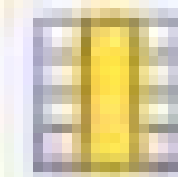
```
FROM
```

```
    order_details
```

```
    JOIN
```

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

Result Grid



	total_revenue
▶	817860.05



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

```
SELECT
```

```
    pizza_types.name, pizzas.price AS highest_price_pizza
```

```
FROM
```

```
    pizza_types
```

```
    JOIN
```

```
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
```

```
ORDER BY pizzas.price DESC
```

```
LIMIT 1;
```

	name	highest_price_pizza
▶	The Greek Pizza	35.95



```
-- 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;
```



	size	order_count
▶	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 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;
```



	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


```
-- 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;
```



	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

-- Determine the distribution of orders by hour of the day.

SELECT

HOUR(order_time), COUNT(order_id)

FROM

 orders **AS** order_count

GROUP BY HOUR(order_time)

	HOUR(order_time)	COUNT(order_id)
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663




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

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

	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 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 revenue DESC
```

```
LIMIT 3;
```

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5




```
-- Calculate the percentage contribution of each pizza type to total revenue
```

```
SELECT
    pizza_types.category,
    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 order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY revenue DESC
LIMIT 3;
```

	category	revenue
▶	Classic	220053.10000000001
	Supreme	208196.9999999999822
	Chicken	195919.5




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

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



	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25
	The Pepperoni Pizza	30161.75
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Sicilian Pizza	30940.5
	The Four Cheese Pizza	32265.700000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5


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

select name, revenue from
(select category, name , revenue,
rank() over(partition by category order by revenue desc) as rn
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 order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category, pizza_types.name)as a) as b
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```



	name	revenue
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**THANK YOU
FOR ATTENTION**

