

PIZZA SALES R E P O R T A N A L Y S I S

CREATED USING MYSQL QUERY







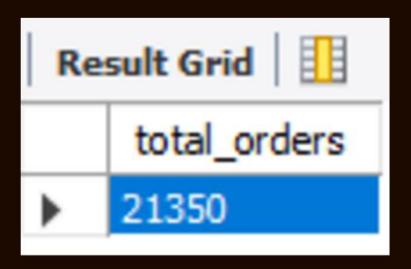
HELLO!

Hello ,My Name Is Kusuma.G.S In This Project I Have Utilized SQL Queries To Solve Questions That Were Related To Pizza Sales.



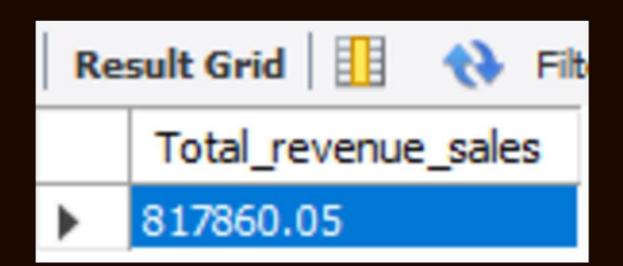
RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED:

```
SELECT
     COUNT(order_id) AS total_orders
FROM
     orders;
```





CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES:





IDENTIFY THE HIGHEST PRICED PRICE:

Result Grid		
	name	price
•	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;
```

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



LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITHH 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;
```

Result Grid 🔢 🙌 F		
	category	quantity
	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



DETERMINE THE DISTRIBUTION OF ORDERS BY HOURS OF THE DAY:

```
SELECT

HOUR(order_time) AS Hour, COUNT(order_id) AS Order_count

FROM

orders

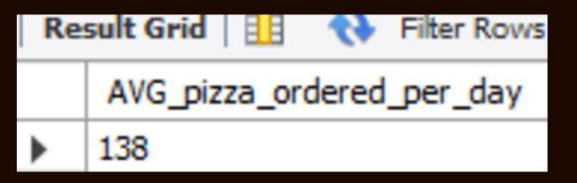
GROUP BY HOUR(order_time);
```

Result Grid		
	Hour	Order_count
-	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336



GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY:

```
SELECT
   round(AVG (quantity),0) as AVG pizza ordered per day
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;
```



ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME:



```
select order date,
sum(Revenue) over(order by order_date) as
cumulative revenue from
(select orders.order date,
sum(order details.quantity * pizzas.price) as 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) as sales;
```

Re	sult Grid	Name of the Filter Rows:
	order_date	cumulative_revenue
	2015-01-01	2713.850000000000
	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



CALCULATE THE PERCENTAGE CONTRIBUTIONS OF EACH PIZZA TYPE TO TOTAL REVENUE:

```
SELECT
    pizza_types.category,
    ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT
                    ROUND(SUM(order_details.quantity * pizzas.price),
                                2) AS total sales
                FROM
                    order_details
                        JOIN
                    pizzas ON order_details.pizza_id = pizzas.pizza_id) * 100,
            2) 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;
```

Result Grid		
	category	Revenue
	Classic	26.91
•	Supreme	25.46
	Chicken	23.96
	Veggie	23.68



DETERMINE THE MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY:

```
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;
```

Result Grid		
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 Spicy Italian Pizza	34831.25	
The Italian Supreme Pizza	33476.75	
The Hawaiian Pizza	32273.25	
The Four Cheese Pizza	32265.7000	
The Sicilian Pizza	30940.5	
The Pepperoni Pizza	30161.75	
The Mexicana Pizza	26780.75	
The Five Cheese Pizza	26066.5	



LINKEDIN PROFILE LINK:

https://www.linkedin.com/in/kusuma-g-s-411445234?
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rofile&utm_medium=android_app





THANKYOU

