

SQL PROJECT

Using MYSQL Database

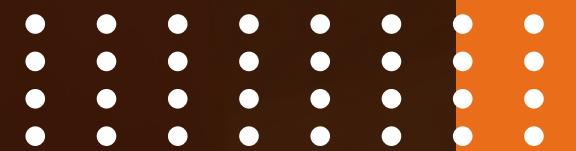
Hello , I am Rajan Dev

In this project i utilize sql queries to solve the Question ,

Which is related to pizza sales analysis



QUESTIONS FOR SALES ANALYSIS



- Que (1) Calculate the total revenue generated from pizza sales ?
- Que (2) Identify the highest priced pizza ?
- Que (3) Identify the most common pizza size ordered ?
- Que (4) List the top 5 most ordered pizza type along with their quantity ?
- Que (5) Join the necessary table to find the total quantity of each pizza category ordered
- Que (6) Determine the order distribution of orders by hour of the day ?
- Que (7) Join the relevant table to find category wise distribution of pizza ?
- Que (8) Group the order by date and calculate the average number of pizza order per day ?
- Que (9) Determine the top 3 most ordered pizza type based on revenues ?

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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 order_details.pizza_id = pizzas.pizza_id;
```

Result Grid	
	total_revenue
▶	817860.05

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 Row

	name	price
→	The Greek Pizza	35.95

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED ?

```
• SELECT  
    pizzas.size, COUNT(order_details.order_details_id)  
FROM  
    pizzas  
    JOIN  
        order_details ON pizzas.pizza_id = order_details.pizza_id  
GROUP BY pizzas.size  
LIMIT 1;
```

Result Grid | Filter Rows:

	size	COUNT(order_details.order_details_id)
▶	M	15385

LIST THE TOP 5 MOST ORDERD PIZZA TYPE ALONG WITH THEIR QUANTITY

- **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 NECECERRAY TABLE 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

DETERMINE THE ORDER 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 |

	hour	order_Count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920

JOIN THE RELAVENT TABLE TO FIND CATEGORY WISE DISTRIBUTION OF PIZZA ?

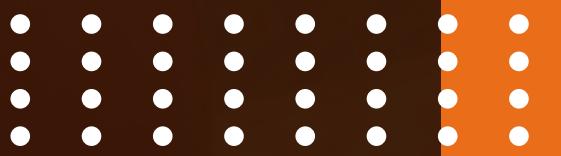
- **SELECT**

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

Result Grid | Filter Row

	category	COUNT(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

GROUP THE ORDER BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZA ORDER PER DAY ?



```
• SELECT  
    DAY(order_date), AVG(order_id)  
FROM  
    orders  
GROUP BY DAY(order_date);
```

Result Grid | Filter Rows:

	day(order_date)	avg(order_id)
1	9755.6159	
2	9672.2978	
3	9904.8682	
4	10312.7912	
5	9686.8160	
6	10079.7153	
7	10352.6380	
8	9894.4757	
9	10601.3627	

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPE BASED ON REVENUES ?

- **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;
```

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

**THANK YOU
FOR ATTENTION**

