

PIZZA

SALES ANALYSIS





Hello my name is
Hina Altaf

In this project I have
utilized SQL queries to
solve questions
related to Pizzas sale

Retrieve the total number of orders placed

SELECT

COUNT(order_id) no_of_orders

FROM

orders;

Result Grid	
	no_of_orders
→	21350

Calculate the total revenue generated from pizza sales

- **SELECT**

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

- **FROM**

```
order_details
```

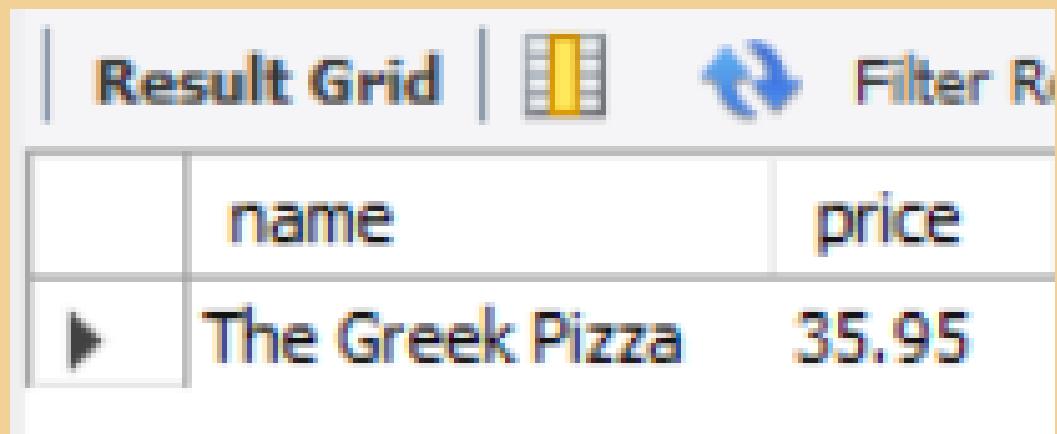
```
JOIN
```

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

	Result Grid		
	revenue		
▶	817860.05		

Identify the highest-priced pizza

```
select pizza_types.name, pizzas.price from pizza_t  
join pizzas on  
pizzas.pizza_type_id=pizza_types.pizza_type_id  
order by price desc limit 1;
```



The screenshot shows the MySQL Workbench interface with a result grid. The grid has two columns: 'name' and 'price'. A single row is displayed, showing 'The Greek Pizza' with a price of '35.95'. The 'Result Grid' tab is selected at the top left. There are also 'Filter R' and 'Edit' buttons.

	name	price
▶	The Greek Pizza	35.95

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

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(orders.order_id) AS orders  
FROM  
orders
```

	HOUR(order_time)	orders
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28

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

SELECT

category, COUNT(name)

FROM

pizza_types

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

Group the orders by date and calculate the average

number of pizzas ordered per day subquery

SELECT

```
ROUND(AVG(quantity), 0) AS avg_pizza_ordered_per_day
```

FROM

(SELECT

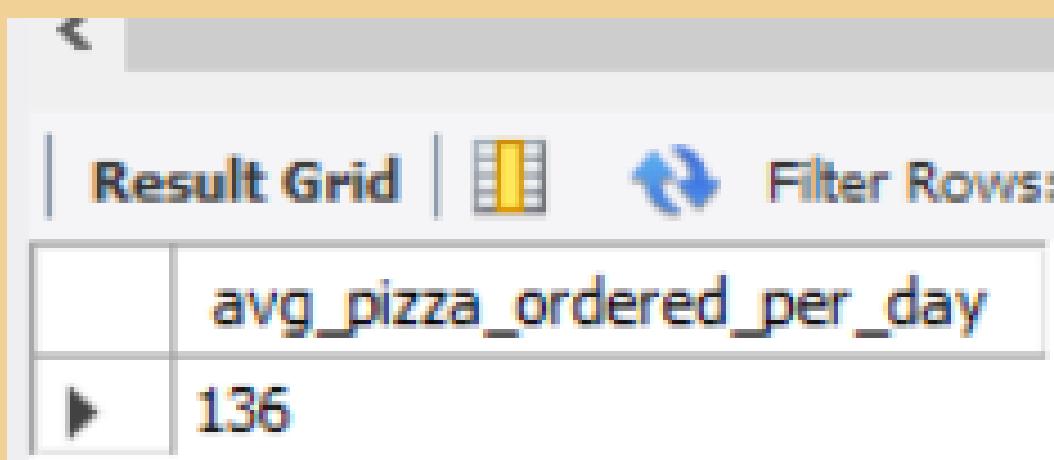
```
    orders.order_date, COUNT(order_details.quantity) AS quantity
```

FROM

```
    orders
```

```
JOIN order_details ON orders.order_id = order_details.order_id
```

```
GROUP BY orders.order_date) AS order_quantity;
```



	avg_pizza_ordered_per_day
▶	136

Determine the top 3 most ordered pizza types based on revenue

SELECT

```
pizza_types.name,  
ROUND(SUM(order_details.quantity * pizzas.price),  
2) 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

Determine the top 3 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.name,pizza_types.category,
sum(order_details.quantity*pi
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,pizzas.pizza_type_id
) 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	32265.70000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5