



# *Pizza Sale's Report for Pizza Company*

MySQL Project

Rohan Dolai



## Question 1

*Retrieve the total number of orders placed.*

```
-- Retrieve the total number of orders placed.--  
select count(order_id) as 'Total_Orders' from orders;
```

	Total_Orders
▶	21350



## Question 2

*Calculate the total revenue generated from pizza sales.*

```
-- 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;
```

	Total_revenue
▶	817860.05



## Question 3

*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;
```

	name	price
▶	The Greek Pizza	35.95



## Question 4

*Identify the most common pizza size ordered.*

```
-- Identify the most common pizza size ordered.  
select pizzas.size, count(order_details.order_details_id) as Count_of_Orders  
from pizzas join order_details on pizzas.pizza_id = order_details.pizza_id  
group by pizzas.size  
order by Count_of_Orders desc;
```

	size	Count_of_Orders
►	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28



## Question 5

List the top 5 most ordered pizza types along with their quantities.

```
-- 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



## Question 6

*Join the necessary tables to find the total quantity of each pizza category ordered.*

```
-- 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 pizzas.pizza_id = order_details.pizza_id  
group by pizza_types.category  
order by Quantity desc;
```

	category	Quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



## Question 7

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

```
-- Determine the distribution of orders by hour of the day.  
select hour(orders.time) as hour, count(orders.order_id) as order_count from orders  
group by hour(orders.time)  
order by hour;
```

	hour	order_count
▶	9	1
	10	8
	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



## Question 8

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

```
-- Join relevant tables to find the category-wise distribution of pizzas.  
select category, count(name) as 'number of pizzas' from pizza_types  
group by category;
```

	category	number of pizzas
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



## Question 9

*Group the orders by date and calculate the average number of pizzas ordered per day.*

```
-- Group the orders by date and calculate the average number of pizzas ordered per day.  
select round(avg(quantity),0) as avg_pizza_per_day from  
(select orders.date, sum(order_details.quantity) as quantity  
from orders  
join order_details on orders.order_id = order_details.order_id  
group by orders.date) as order_Quantity;
```

	avg_pizza_per_day
▶	138



## Question 10

**Determine the top 3 most ordered pizza types based on revenue.**

```
-- 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 pizzas.pizza_type_id = pizza_types.pizza_type_id  
join order_details on pizzas.pizza_id = order_details.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



# Question 11

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

```
-- Calculate the percentage contribution of each pizza type to total revenue.
SELECT
    pizza_types.category,
    round((SUM(order_details.quantity * pizzas.price) /
        (SELECT SUM(order_details.quantity * pizzas.price)
         FROM pizzas
         JOIN order_details ON order_details.pizza_id = pizzas.pizza_id)
    ) * 100,2) AS revenue
FROM
    pizzas
JOIN
    pizza_types 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;
```

	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68



## Question 12

*Analyze the cumulative revenue generated over time.*

```
-- Analyze the cumulative revenue generated over time.  
select date,  
       sum(revenue) over (order by date) as cum_revenue  
from  
  (select  
    orders.date ,  
    sum(order_details.quantity * pizzas.price) as revenue  
  from orders  
  join order_details on orders.order_id = order_details.order_id  
  join pizzas on pizzas.pizza_id = order_details.pizza_id  
  group by date  
  order by revenue) as Sales;
```

date	cum_revenue
2015-01-01	2713.8500000000004
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
2015-01-08	19399.05
2015-01-09	21526.4
2015-01-10	23990.350000000002
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.300000000003
2015-01-14	32358.700000000004
2015-01-15	34343.500000000001
2015-01-16	36937.650000000001
2015-01-17	39001.750000000001
2015-01-18	40978.600000000006
2015-01-19	43365.750000000001
2015-01-20	45763.650000000001



## Question 13

**Determine the top 3 most ordered pizza types based on revenue for each pizza category.**

```
-- 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.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 pizzas.pizza_id = order_details.pizza_id
    group by pizza_types.category, pizza_types.name
    order by revenue) as tabale1) as table2
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





*Thank you For Your Time  
To Look Into The Report*

*~ Rohan Dolai.*