

PIZZA





Q1: Retrieve the total number of orders placed.

SELECT

*

FROM

orders;

SELECT

COUNT(order_id) **AS** total_orders

FROM

orders;

About Our Pizza Place

+250

Restaurant

4.9

Good Rate

+100

Pizza menu

Result Grid



total_orders



21350

Q- Calculate the total revenue generated from pizza sales.

Project Plan

```
SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
          2) AS total_sales
FROM
    order_details
    JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id
```

RESULT

Result Grid	
	total_sales
▶	817860.05



Q- 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 Rows:
	name	price	
▶	The Greek Pizza	35.95	

Q- 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			Filter Rows:
	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.



```
3 • SELECT
4     pizza_types.name, SUM(order_details.quantity) AS quantity
5 FROM
6     pizza_types
7     JOIN
8     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
9     JOIN
10    order_details ON order_details.pizza_id = pizzas.pizza_id
11 GROUP BY pizza_types.name
12 ORDER BY quantity DESC
13 LIMIT 5;
14
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	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

Result 1 x

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

Mission

```
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

Result Grid			Filter Rows:
	category	quantity	
▶	Classic	14888	
	Supreme	11987	
	Veggie	11649	
	Chicken	11050	



Determine the 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);
```

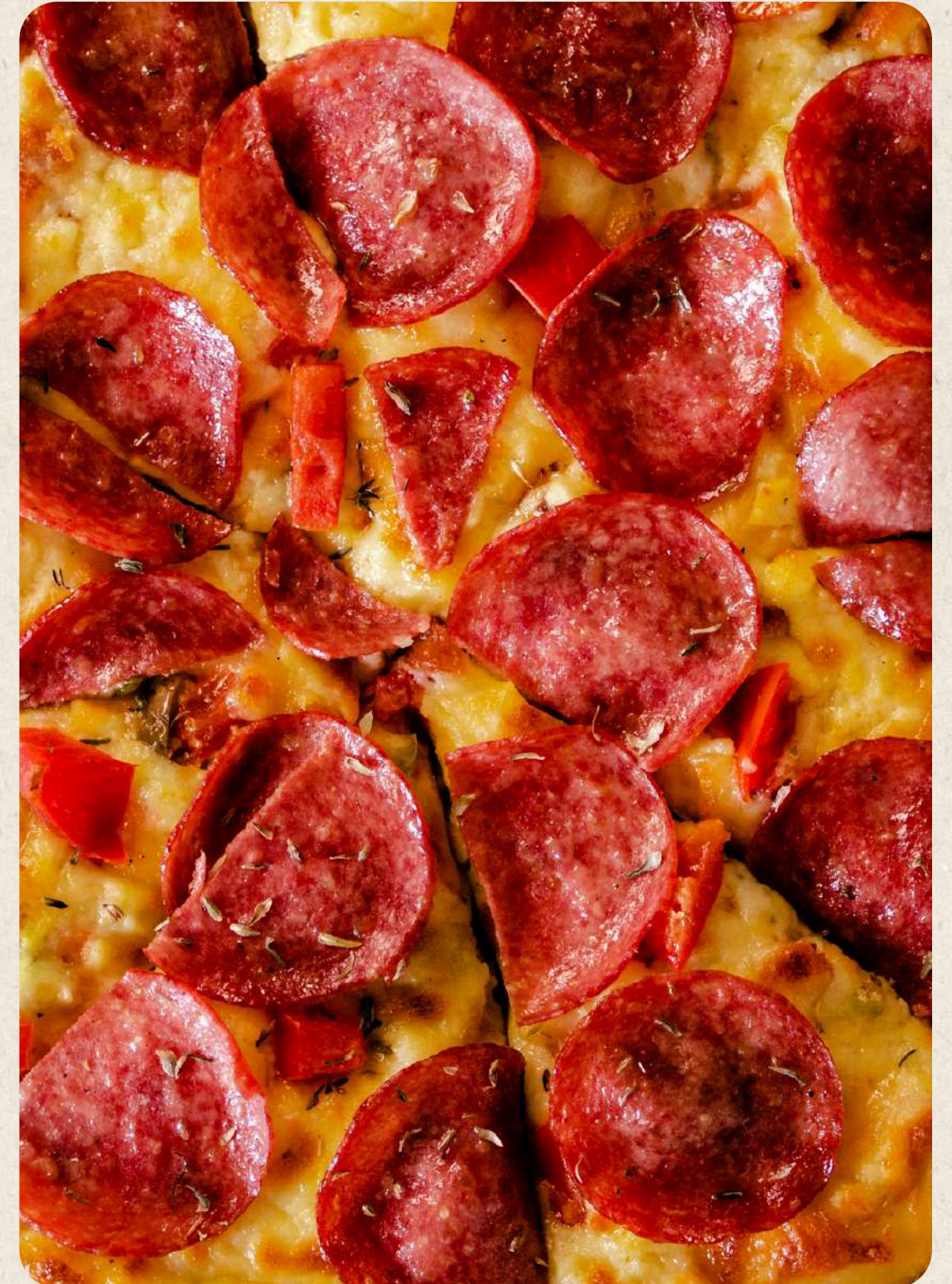


Result Grid			Filter Rows:
	hour	order_count	
▶	11	1231	
	12	2520	
	13	2455	
	14	1472	
	15	1468	
	16	1920	

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

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

Result Grid			Filter Rows:
	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.

```
SELECT
    ROUND(AVG(quantity), 0) as avg_pizza_orderd_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;
```

Result Grid		Filter Row	
	avg_pizza_orderd_per_day		
▶	138		

+250

Restaurant

4.9

Good Rate

+100

Pizza menu

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

```
3 • SELECT
4     pizza_types.name,
5     SUM(order_details.quantity * pizzas.price) AS revenue
6 FROM
7     pizza_types
8     JOIN
9     pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
10    JOIN
11    order_details ON order_details.pizza_id = pizzas.pizza_id
12 GROUP BY pizza_types.name
13 ORDER BY revenue DESC
14 LIMIT 3;
```

Result Grid | | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

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





```
3 • select pizza_types.category,
4   round(sum(order_details.quantity*pizzas.price)/ (SELECT
5     ROUND(SUM(order_details.quantity * pizzas.price),
6       2) AS total_sales
7   from order_details join pizzas on pizzas.pizza_id = order_details.pizza_id) * 100,2) as revenue
8   from pizza_types join pizzas
9   on pizza_types.pizza_type_id = pizzas.pizza_type_id
10  join order_details
11  on order_details.pizza_id = pizzas.pizza_id
12  group by pizza_types.category order by revenue desc;
```

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68



```
1  -- Determine the top 3 most ordered pizza types based on revenue for each pizza category.
2
3  • select name, revenue from
4  (select category, name, revenue,
5   rank() over(partition by category order by revenue desc) as rn
6   from
7   (select pizza_types.category, pizza_types.name,
8    sum((order_details.quantity) * pizzas.price) as revenue
9    from pizza_types join pizzas
10   on pizza_types.pizza_type_id = pizzas.pizza_type_id
11   join order_details
12   on order_details.pizza_id = pizzas.pizza_id
13   group by pizza_types.category, pizza_types.name) as a) as b
14  where rn <= 3;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
	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	



Thank You

Best Pizza

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