



SALES REPORT

INTRODUCTION

My name is Vinny Rajput .
i have solved a SQL based question on pizza
sales .

EXECUTIVE SUMMARY

This executive summary provides a concise snapshot of our sales performance. Highlighting key achievements and acknowledging challenges, we'll delve into the details of our journey. The report offers insights into the factors shaping our sales outcomes and outlines strategic initiatives for future success. Join us as we navigate through the highlights and challenges, setting the stage for an insightful discussion on our sales landscape.

```
-- Determine the distribution of orders by hour of the day
```

```
SELECT
```

```
    HOUR(time) AS hour, COUNT(order_id) AS order_count
```

```
FROM
```

```
    orders
```




```
GROUP BY HOUR(time);
```

	hour	order_count
	11	20
	12	38
	13	32
	14	25
	15	26
	16	26
	17	36
	18	35
	19	27
	20	29
	21	17

```

1  -- Identify the most common pizza size ordered
2
3  • SELECT
4      quantity, COUNT(order_details_id)
5  FROM
6      order_detail
7  GROUP BY quantity;
8
9  • SELECT
10     pizzas.size,
11     COUNT(order_detail.order_details_id) AS order_count
12  FROM
13     pizzas
14     JOIN
15     order_detail ON pizzas.pizza_id = order_detail.pizza_id
16  GROUP BY pizzas.size
17  ORDER BY order_count DESC;

```

Result Grid					
	size	order_count			
▶	L	1411			
	M	1138			
	S	1101			
	XL	44			
	XXL	2			

```
-- Determine the top 3 most pizza type 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_detail.quantity)* pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_detail
on order_detail.pizza_id= pizzas.pizza_id
group by pizza_types.category,pizza_types.name) as a) as b
where rn<=3
```

Result Grid			Filter Rows:	Exp
	name	revenue		
▶	The Thai Chicken Pizza	3319.75		
	The Barbecue Chicken Pizza	3232.5		
	The California Chicken Pizza	3008		
	The Pepperoni Pizza	2755.5		
	The Classic Deluxe Pizza	2588		
	The Greek Pizza	2280.8999999999996		
	The Italian Supreme Pizza	2661		
	The Sicilian Pizza	2553.25		
	The Spicy Italian Pizza	2496.75		
	The Four Cheese Pizza	2329.9000000000005		
	The Five Cheese Pizza	2312.5		
	The Vegetable & Vegetable	2004.25		

```

1  -- Analyze the cumulative revenue generated over time
2
3  • select date,
4     sum(revenue) over(order by date) as cum_revenue
5  from
6  (select orders.date,
7     sum(order_detail.quantity * pizzas.price) as revenue
8  from order_detail join pizzas
9  ON order_detail.pizza_id=pizzas.pizza_id
10 join orders
11 on orders.order_id = order_detail.order_id
12 group by orders.date) as sales ;

```

Result Grid			Filter Rows:
	date	cum_revenue	
▶	2015-01-01	2713.84999999999995	
	2015-01-02	5445.74999999999999	
	2015-01-03	8108.15	
	2015-01-04	9863.6	
	2015-01-05	11929.55	
	2015-01-06	12596.4	

```
-- Group the orders by date and calculate the average number of pizzas ordered per day
```

```
• SELECT
```

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

```
FROM
```

```
    (SELECT
```

```
        orders.date, SUM(order_detail.quantity) AS quantity
```

```
    FROM
```

```
        orders
```

```
    JOIN order_detail ON orders.order_id = order_detail.order_id
```

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

Result Grid



Filter Rows

	ROUND(AVG(quantity), 0)
▶	126


```
-- List the top 5 most ordered pizza types along with their quantities
SELECT
    pizza_types.name, SUM(order_detail.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_detail ON order_detail.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

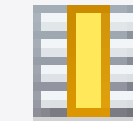
Result Grid			Filter Rows:	
	name	quantity		
▶	The Pepperoni Pizza	220		
	The Barbecue Chicken Pizza	182		
	The Thai Chicken Pizza	181		
	The California Chicken Pizza	176		
	The Hawaiian Pizza	167		

```
-- identify the most common pizza size ordered
```

```
SELECT
    quantity, COUNT(order_details_id)
FROM
    order_detail
GROUP BY quantity;
```

```
SELECT
    pizzas.size,
    COUNT(order_detail.order_details_id) AS order_count
FROM
    pizzas
    JOIN
    order_detail ON pizzas.pizza_id = order_detail.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

Result Grid





Filter Rows:

	quantity	COUNT(order_details_id)
	1	3629
	2	64
	3	3

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

```
SELECT
    pizza_types.category, SUM(order_detail.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_detail ON order_detail.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity DESC;
```

Result Grid   Filter		
	category	quantity
▶	Classic	1127
	Supreme	923
	Veggie	906
	Chicken	810