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Hello, I'm Priya. I'm passionate about working with SQL, designing queries, and analyzing data to extract valuable insights. I'm excited to share my knowledge and skills in SQL with you."



- WHERE EVERY SLICE TELLS A STORY



Retrieve the total number of orders placed.

```
select* from orders;
```

```
SELECT
```

```
    COUNT(order_id) AS total_orders
```

```
FROM
```

```
orders;
```

Result Grid |

total_orders
21350



Calculate the total revenue generated from pizza sales.

SELECT

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

FROM

```
order_details
```

\$30

JOIN

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

\$30

Result Grid |

total_sales
817860.05





# Identify the highest-priced pizza.

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**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**

	<b>name</b>	<b>price</b>
→	The Greek Pizza	35.95

# Identify the most common pizza size ordered.

[About](#)[Contact](#)**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

	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.

```
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;
```

Result Grid | Filter Rows:

	name	quantity
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

- 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;
```

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Result Grid | Filter

	category	quantity
→	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



Determine the distribution of orders by hour of the day.



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SELECT

```
HOUR(order_time) AS hour, COUNT(order_id) AS order_count  
FROM  
orders  
GROUP BY HOUR(order_time);
```

\$30



Result Grid | Filter

	hour	order_count
>	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
	10	8
	9	1

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

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```
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;
```

	avg_pizza_orderd_per_day
▶	138

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 order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue DESC
LIMIT 3;
```



Result Grid | Filter Rows:

	name	revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5

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

```
SELECT
    pizza_types.category,
    ROUND(SUM(order_details.quantity * pizzas.price) / (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) * 100,
    2) AS revenue
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 revenue DESC;
```

Result Grid | Filter

	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

Analyze the cumulative revenue generated over time.

```
select order_date,  
sum(revenue) over(order by order_date) as cum_revenue  
from  
(select orders.order_date,  
sum(order_details.quantity * pizzas.price) as revenue  
from order_details join pizzas  
on order_details.pizza_id=pizzas.pizza_id  
join orders  
on orders.order_id=order_details.order_id  
group by orders.order_date) as sales;
```

	order_date	cum_revenue
	2015-01-01	2713.850000000004
	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	23990.35000000002
	2015-01-11	25862.65
	2015-01-12	27781.7
	2015-01-13	29831.30000000003
	2015-01-14	32358.70000000004
	2015-01-15	34343.50000000001
	2015-01-16	36937.65000000001
	2015-01-17	39001.75000000001

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 order_details.pizza_id=pizzas.pizza_id  
group by pizza_types.category,pizza_types.name) as a) b  
where rn<3;
```

Result Grid		Filter Rows:
	name	revenue
>	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Four Cheese Pizza	32265.7000000065
	The Mexicana Pizza	26780.75