

PIZZADOW SALES QUERY SOLVED USING SQL

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Retrieve the total number of order placed

```
2 • select count(order_id) as total_orders from orders;
```

	total_orders
▶	21350

Calculate the total revenue generated from the pizza sales

```
2 • select
3     round(sum(order_details.quantity * pizzas.price),2) as total_revenue
4 from orders_detail join pizzas
5 on pizzas.pizza_id = orders_detail.pizza_id
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



total_revenue
817860.05

Calculate the highest priced pizzas

```
2 • select pizza_types.name,pizzas.price
3   from pizza_types join pizzas
4   on pizza_types.pizza_type_id = pizzas.pizza_type_id
5   order by pizzas.price desc limit 1;
```



Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	name	price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered

```
2 • select pizzas.size, count(orders_detail.order_details_id) as order_count
3 from pizzas join orders_detail
4 on pizzas.pizza_id = orders_detail.pizza_id
5 group by pizzas.size order by order_count desc;
6
```



Result Grid



Filter Rows:

Export:



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	size	order_count
▶	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28

List the top 5 most ordered pizza types along with thier quantities

```
2 • select pizza_types.name,  
3      sum(orders_detail.quantity) as quantity  
4      from pizza_types join pizzas  
5      on pizza_types.pizza_type_id = pizzas.pizza_type_id  
6      join orders_detail  
7      on orders_detail.pizza_id = pizzas.pizza_id  
8      group by pizza_types.name order by quantity desc limit 5;  
9
```



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

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

```
3 • select pizza_types.category,  
4     sum(orders_detail.quantity) as quantity  
5 from pizza_types join pizzas  
6 on pizza_types.pizza_type_id = pizzas.pizza_type_id  
7 join orders_detail  
8 on orders_detail.pizza_id = pizzas.pizza_id  
9 group by pizza_types.category order by quantity desc;
```

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

	category	quantity
	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

Determine the distribution of orders by hours of the day

```
2 • select hour(order_time)as hour, count(order_id)as order_count from orders  
3 group by hour(order_time);
```

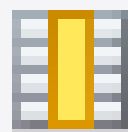
Result Grid			Filter Rows:	
	hour	order_count		
▶	11	1231		
	12	2520		
	13	2455		
	14	1472		
	15	1468		
	16	1920		
	17	2336		
	18	2399		
	19	2009		
	20	1642		
	21	1198		

Join the relevant tables category-wise distribution of pizzas

```
2 • select category , count(name) from pizza_types  
3 group by category;
```



Result Grid



Filter Rows:

	total_orders
▶	21350

Group the order by dates and calculate the average number of pizzas order per day

```
2 • select round(avg(quantity),0) as averag_pizza_ordered_per_day from
3 (select orders.order_date, sum(orders_detail.quantity) as quantity
4  from orders join orders_detail
5  on orders.order_id = orders_detail.order_id
6  group by orders.order_date) as sum_of_ordered_quantity;
```



Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	averag_pizza_ordered_per_day
--	------------------------------

▶	138
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Determine the top 3 most ordered pizza types based on revenue

```
2 • select pizza_types.name,  
3      sum(orders_detail.quantity * pizzas.price) as revenue  
4      from pizza_types join pizzas  
5      on pizzas.pizza_type_id = pizza_types.pizza_type_id  
6      join orders_detail  
7      on orders_detail.pizza_id = pizzas.pizza_id  
8      group by pizza_types.name order by revenue desc 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

Calculate the percentage contribution to each pizza types to total revenue

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

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

	category	revenue
	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

Analyze the cumulative revenue generated over a time

```
2 • select order_date,
3     sum(revenue) over(order by order_date) as cum_revenue
4     from
5     (select orders.order_date,
6      sum(orders_detail.quantity*pizzas.price) as revenue
7      from orders_detail join pizzas
8      on orders_detail.pizza_id = pizzas.pizza_id
9      join orders
10     on orders.order_id = orders_detail.order_id
11     group by orders.order_date) as sales;
12
```



Result Grid



Filter Rows:

Export:





Wrap Cell Content:



	order_date	cum_revenue
	2015-12-24	807553.75
	2015-12-26	809196.8
	2015-12-27	810615.8
	2015-12-28	812253
	2015-12-29	813606.25
	2015-12-30	814944.05
	2015-12-31	817860.05

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

```
2 • select name, revenue
3 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((orders_detail.quantity) * pizzas.price) as revenue
9   from pizza_types join pizzas
10  on pizza_types.pizza_type_id = pizzas.pizza_type_id
11  join orders_detail
12  on orders_detail.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

Thank
YOU