

# PIZZA SALES







**I HAVE APPLIED SQL QUERIES TO ANALYZE AND SOLVE BUSINESS QUESTIONS RELATED TO PIZZA SALES.**





Calculate the total revenue generated from pizza sales.

```
select  
round(sum(orders_details.quantity * pizzas.price),2) as total_sales  
from orders_details join pizzas  
on pizzas.pizza_id = orders_details.pizza_id
```

Result Grid	
	total_sales
▶	817860.05





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	





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

```
select
pizza_types.name, sum(orders_details.quantity) as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.name
order by quantity desc limit 5 ;
```

Result Grid			Filter 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 tables to find the total quantity of each pizza category ordered.

```
select sum(orders_details.quantity) as quantity, pizza_types.category as pizza_category
from orders_details join pizzas
on orders_details.pizza_id = pizzas.pizza_id
join pizza_types
on pizza_types.pizza_type_id = pizzas.pizza_type_id
group by pizza_category
order by quantity desc ;
```

Result Grid



Filter Rows:



	quantity	pizza_category
▶	14888	Classic
	11987	Supreme
	11649	Veggie
	11050	Chicken





Determine the distribution of orders by hour of the day.

```
select hour(order_time), count(order_id) as ordercount
from orders
group by hour(order_time) ;
```

Result Grid     Filter Rows:		
	hour(order_time)	ordercount
	11	1231
	12	2520
	13	2455
	14	1472
	15	1468





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

```
select category, count(pizza_type_id)
from pizza_types
group by category ;
```

Result Grid			Filter Rows:
	category	count(pizza_type_id)	
▶	Chicken	6	
	Classic	8	
	Supreme	9	
	Veggie	9	





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

```
select pizza_types.name, sum(orders_details.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.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





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

```
select pizza_types.name, (sum(orders_details.quantity * pizzas.price)/(SELECT
    SUM(orders_details.quantity * pizzas.price) AS total_revenue
FROM orders_details
JOIN pizzas
    ON orders_details.pizza_id = pizzas.pizza_id) * 100) as percentage_contri
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.name ;
```

name	percentage_contri
The Hawaiian Pizza	3.9460602092008625
The Classic Deluxe Pizza	4.668341484585331
The Five Cheese Pizza	3.187158976648905
The Italian Supreme Pizza	4.093212524563375
The Mexicana Pizza	3.2744905439506713
The Thai Chicken Pizza	5.310719113863108
The Prosciutto and Arugula Pizza	2.9581161226789607
The Barbecue Chicken Pizza	5.2292565213327595





Retrieve the total number of orders placed.

```
select pizza_types.name, count(orders_details.order_id)
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.name;
```

name	count(orders_details.order_id)
The Hawaiian Pizza	2370
The Classic Deluxe Pizza	2416
The Five Cheese Pizza	1359
The Italian Supreme Pizza	1849
The Mexicana Pizza	1456
The Thai Chicken Pizza	2315
The Prosciutto and Arugula Pizza	1428

