

# EXPLORING PIZZAS



Performing SQL operations  
on Pizza sales



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- **Retrieve the total number of orders placed**

```
SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

	total_orders
▶	21350





- **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;
```

	name	price
►	The Greek Pizza	35.95







Calculate the total revenue generated from pizza sales.

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

	total_revenue
▶	817860.05



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

```
SELECT
    pizza_types.category,
    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.category
ORDER BY quantity DESC;
```

	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)
```

	hour	order_count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468



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

```
select pizza_types.category,  
(sum(orders_details.quantity * pizzas.price) /(SELECT  
    ROUND(SUM(orders_details.quantity * pizzas.price),2) AS total_revenue  
FROM  
    orders_details  
    JOIN  
    pizzas ON pizzas.pizza_id = orders_details.pizza_id)*100) 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.category order by revenue desc;
```

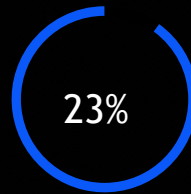
category	revenue
Classic	26.90596025566967
Supreme	25.45631126009862
Chicken	23.955137556847287
Veggie	23.682590927384577



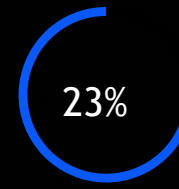
CLASSIC



SUPREME



CHICKEN



VEGGIE



## 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 pizzas.pizza_type_id = pizza_types.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

