



WELCOME TO
SHODWE PIZZA
RESTO





Retrieve the total number of orders placed

```
SELECT Count(order_id) as total_orders from orders;
```

Result Grid	
	total_orders
▶	21350





SHODWE

Pizza Resto

Calculate the total revenue generated from pizza sales

Contact



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

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

Identify the most common pizza size ordered

```
SELECT
    pizzas.size,
    COUNT(orders_details.order_details_id) AS order_count
FROM
    pizzas
    JOIN
    orders_details ON pizzas.pizza_id = orders_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



SAUSSAGE PIZZA

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Donec tristique



CHEESE PIZZA

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Donec tristique

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;

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	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

FRESHNESS AND QUALITY
GUARANTEED

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);

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	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 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
```

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

OVERVIEW OF THE MENU





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

SELECT

category, COUNT(name)

FROM

pizza_types

GROUP BY category;



OUR BEST-SELLERS

	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.



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```
SELECT
    ROUND(AVG(quantity), 0) as avg_pizza_ordered_per_day
FROM
    (SELECT
        orders.order_date, SUM(orders_details.quantity) AS quantity
    FROM
        orders
    JOIN orders_details ON orders.order_id = orders_details.order_id
    GROUP BY orders.order_date) AS order_quantity;
```

Result Grid	
	avg_pizza_ordered_per_day
▶	138



CHICKEN PIZZA

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ipsum vitae lacus lobortis lacinia.
Donec tristique



MUSHROOM PIZZA

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ipsum vitae lacus lobortis lacinia.
Donec tristique

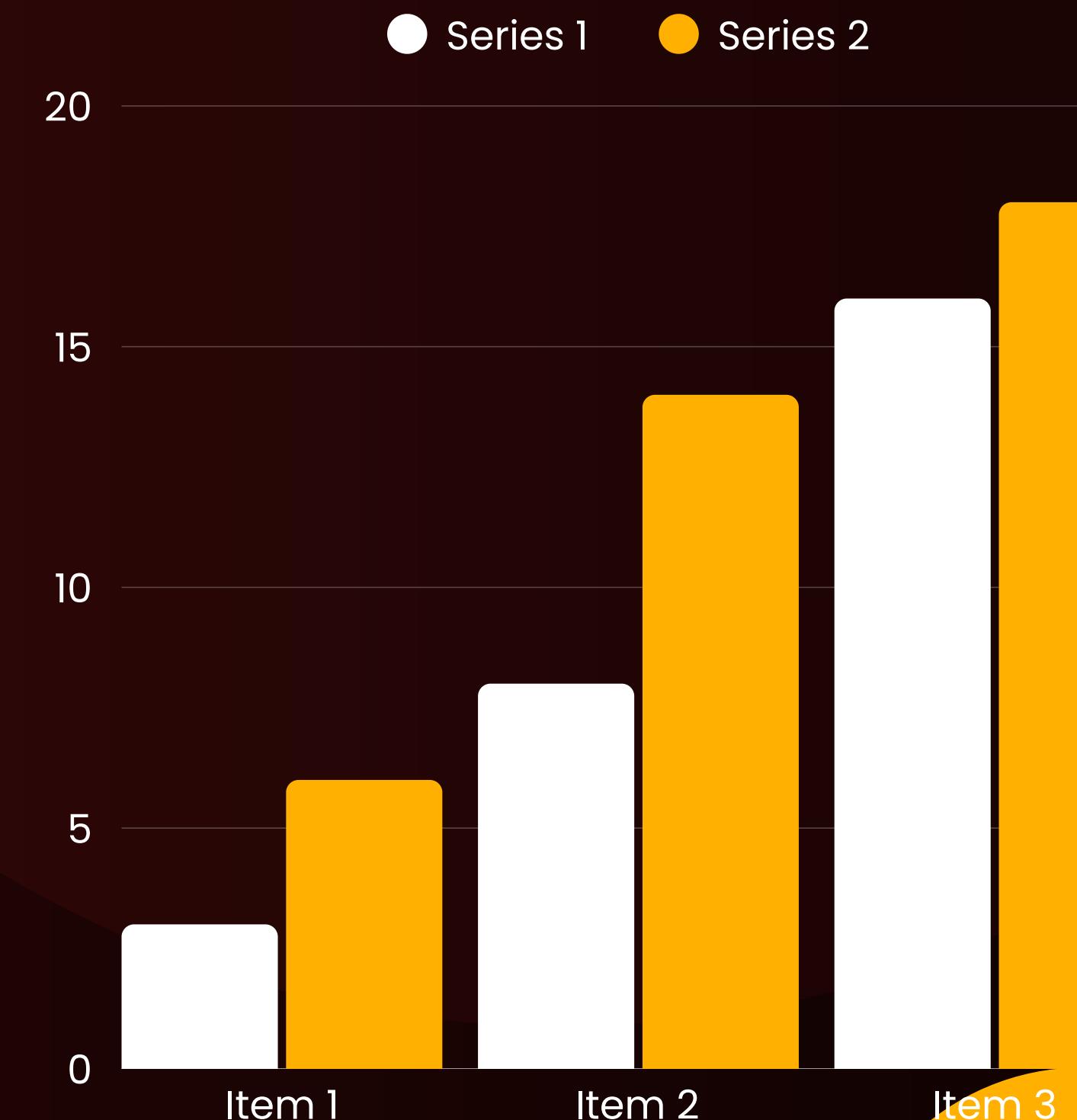
Determine the top 3 most ordered pizza types based on revenue.

```
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;
```

OUR WEEKLY INCOME

Result Grid | Filter Rows:

	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.



LIMITED TIME OFFERS



```
SELECT
    pizza_types.category,
    round(SUM(orders_details.quantity * pizzas.price) /
        (SELECT
            SUM(orders_details.quantity * pizzas.price)
        FROM
            orders_details
        JOIN
            pizzas ON orders_details.pizza_id = pizzas.pizza_id)* 100,2) AS revenue_percentage
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_percentage DESC;
```

	category	revenue_percentage
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96

Analyze the cumulative revenue generated over time.



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

order_date	cum_revenue
2015-01-01	2713.8500000000004
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



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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((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.category , pizza_types.name) as a) as b
where rn <= 3;
```

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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
The Pepperoni Pizza	30161.75
The Spicy Italian Pizza	34831.25
The Italian Supreme Pizza	33476.75
The Sicilian Pizza	30940.5
The Four Cheese Pizza	32265.7000000006
The Mexicana Pizza	26780.75
The Five Cheese Pizza	26066.5





THANK YOU!

