



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

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

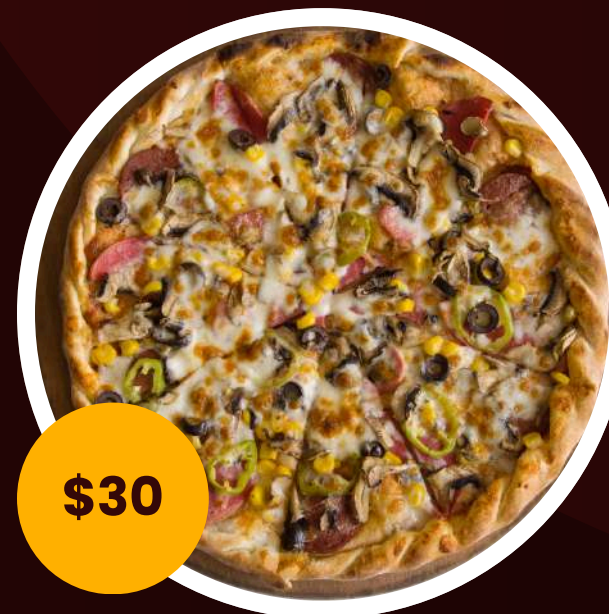
```
SELECT
  pizzas.size,
  COUNT(orders_details.order_details_id) AS order_count
FROM
  pizzas
  JOIN
  orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

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



SAUSAGE PIZZA

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CHEESE PIZZA

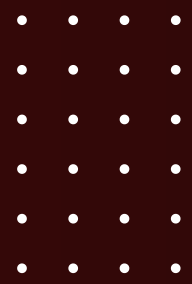
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List the top 5 most ordered pizza types along with their quantities.

```
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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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	

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

```
    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
```

Result Grid			Filter
	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

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_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		Filter Rows:
	avg_pizza_ordered_per_day	
▶	138	



CHICKEN PIZZA

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MUSHROOM PIZZA

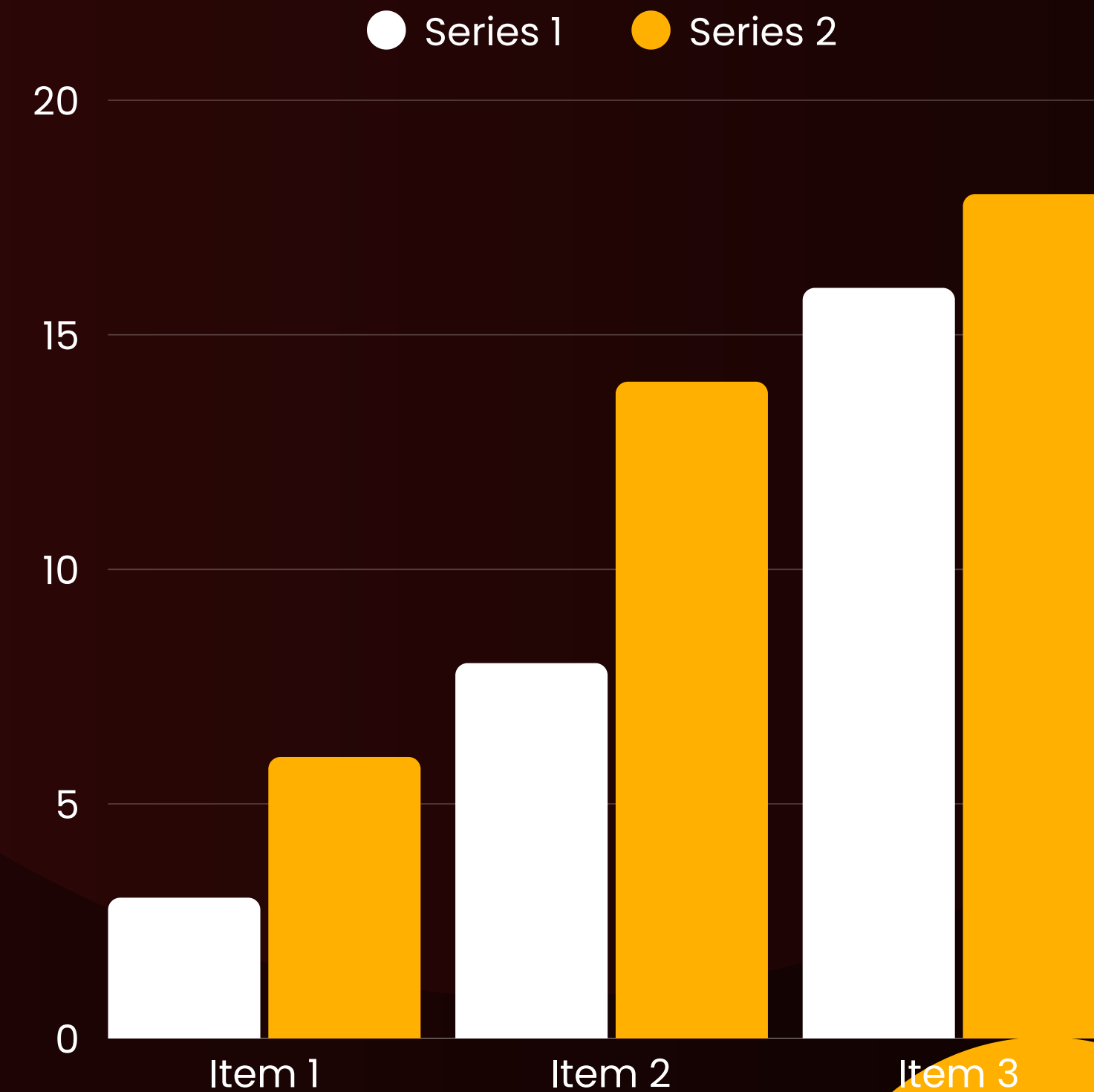
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Determine the top 3 most ordered pizza types based on revenue.

```
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

	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;
```

Result Grid			Filter Rows:	
	category	revenue_percentage		
▶	Classic	26.91		
	Supreme	25.46		
	Chicken	23.96		

Analyze the cumulative revenue generated over time.



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```
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 reve
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	23990.350000000002
	2015-01-11	25862.65
	2015-01-12	27781.7
	2015-01-13	29831.300000000003
	2015-01-14	32358.700000000004
	2015-01-15	34343.500000000001
	2015-01-16	36937.650000000001
	2015-01-17	39001.750000000001



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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Result Grid   Filter Rows: <input type="text"/>	
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



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THANK YOU!

