

SQL Project on Pizza Sales!!!

PIZZA

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The background is a solid light orange color. It is decorated with several pizza-related illustrations: a slice of pizza with toppings in the top left corner; a cluster of orange circular toppings in the top right corner; a slice of pizza with toppings in the center; a faint outline of a pizza slice on the left; a faint outline of a pizza slice on the right; a green leafy plant in the bottom left corner; and a partial view of a pizza with toppings in the bottom right corner.

Hello!

 Hello LinkedIn Community, I am excited to share My
new project on Pizza Sales And Order Analysis using
MySQL!




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



```
select name, revenue, rank_ from
(select category, name, revenue,
rank() over(partition by category order by revenue desc) as rank_
from
(SELECT
    pt.category,
    pt.name,
    SUM((od.quantity) * p.price) AS revenue
FROM
    pizza_types AS pt
    JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
    JOIN
    order_details AS od ON od.pizza_id = p.pizza_id
GROUP BY pt.category , pt.name) as a) as b
where rank_ <= 3;
```

name	revenue	rank_
The Thai Chicken Pizza	43434.25	1
The Barbecue Chicken Pizza	42768	2
The California Chicken Pizza	41409.5	3
The Classic Deluxe Pizza	38180.5	1
The Hawaiian Pizza	32273.25	2
The Pepperoni Pizza	30161.75	3
The Spicy Italian Pizza	34831.25	1
The Italian Supreme Pizza	33476.75	2
The Sicilian Pizza	30940.5	3
The Four Cheese Pizza	32265.700000000065	1
The Mexicana Pizza	26780.75	2
The Five Cheese Pizza	26066.5	3



Analyze the cumulative revenue generated over time

```
• select order_date,  
  round(sum(revenue) over(order by order_date),2) as cum_revenue  
  from  
  (SELECT  
    o.order_date, SUM(od.quantity * p.price) AS revenue  
  FROM  
    order_details AS od  
    JOIN  
    pizzas AS p ON od.pizza_id = p.pizza_id  
    JOIN  
    orders AS o ON o.order_id = od.order_id  
  GROUP BY o.order_date) as sales;
```

order_date	cum_revenue
2015-01-01	2713.85
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	23990.35
2015-01-11	25862.65
2015-01-12	27781.7

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

```
SELECT
  pt.category,
  ROUND(SUM(od.quantity * p.price) / (SELECT
    ROUND(SUM(od.quantity * p.price), 2) AS total_sale
  FROM
    order_details AS od
    LEFT JOIN
    pizzas AS p ON od.pizza_id = p.pizza_id) * 100,
  1) AS percentage_distribution
FROM
  pizza_types AS pt
  JOIN
  pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
  JOIN
  order_details AS od ON od.pizza_id = p.pizza_id
GROUP BY pt.category
ORDER BY percentage_distribution DESC;
```

	category	percentage_distribution
▶	Classic	26.9
	Supreme	25.5
	Chicken	24
	Veggie	23.7




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

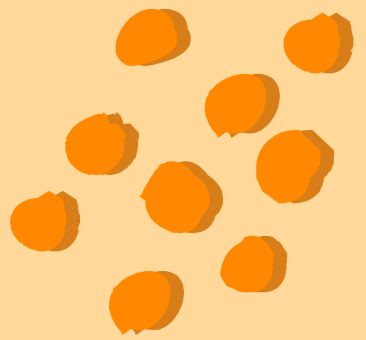


```
• SELECT
    pt.name, SUM(od.quantity * p.price) AS revenue
FROM
    pizza_types AS pt
    JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
    JOIN
    order_details AS od ON od.pizza_id = p.pizza_id
GROUP BY pt.name
ORDER BY revenue DESC
limit 3;
```

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5



Group the orders by date and calculate the average number of pizzas ordered per day.



```
• SELECT
    AVG(quantity) AS avg_per_day_pizza
FROM
    (SELECT
        o.order_date, SUM(od.quantity) AS quantity
    FROM
        orders AS o
    JOIN order_details AS od ON o.order_id = od.order_id
    GROUP BY o.order_date) AS order_quantity;
```

	avg_per_day_pizza
▶	138.4749






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



```
• SELECT
    pt.category, COUNT(od.quantity) AS total_quantity
FROM
    pizza_types AS pt
    JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
    JOIN
    order_details AS od ON od.pizza_id = p.pizza_id
GROUP BY category
ORDER BY total_quantity Desc;
```

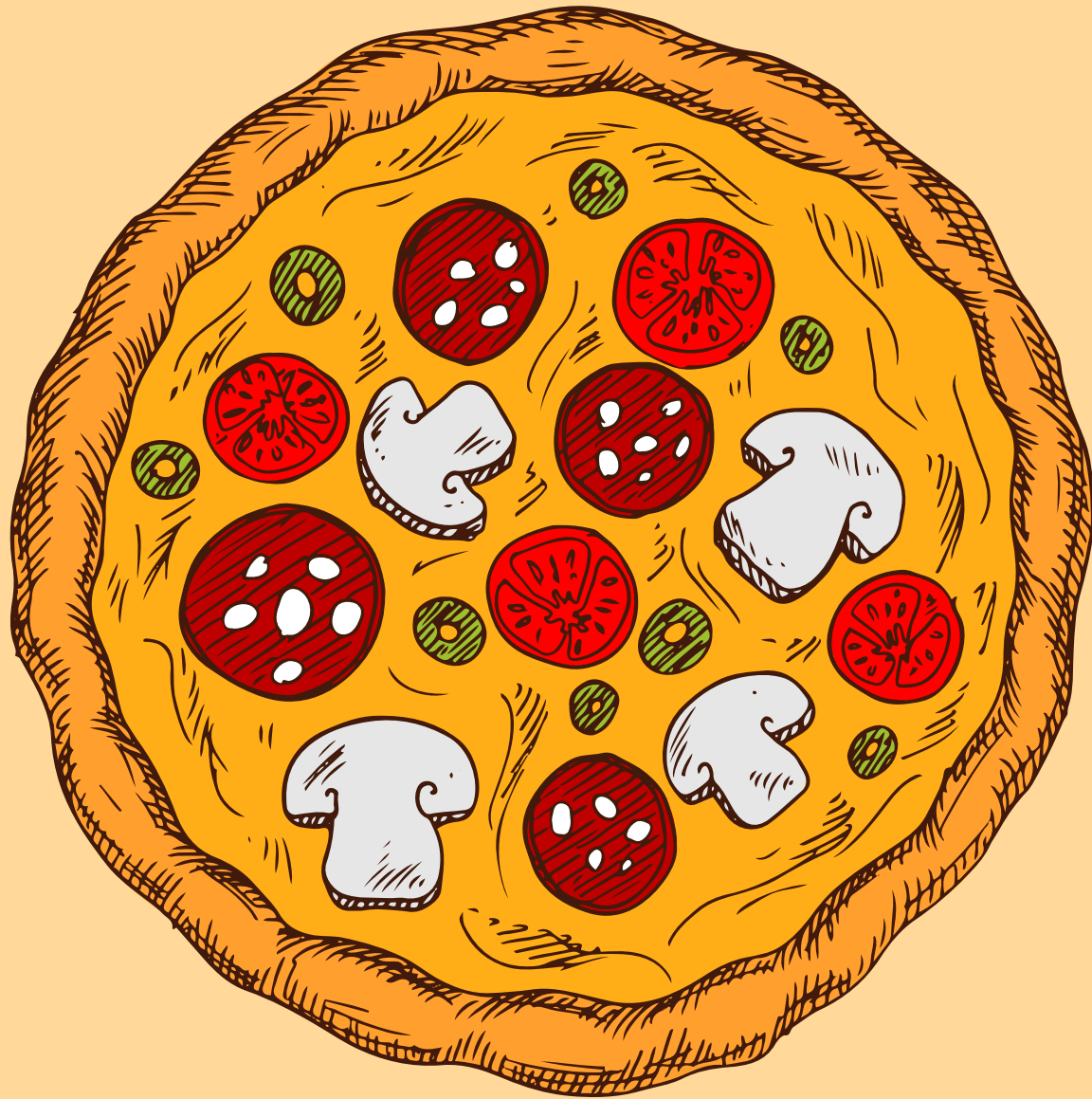
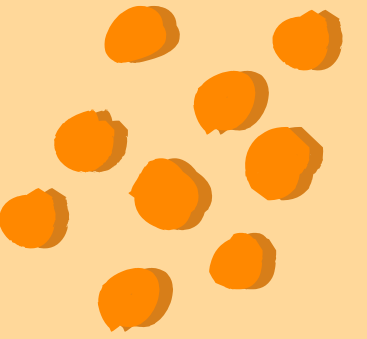
	category	total_quantity
▶	Classic	14579
	Supreme	11777
	Veggie	11449
	Chicken	10815



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

```
• SELECT
    pt.name, SUM(od.quantity) AS most_ordered
FROM
    pizza_types AS pt
    JOIN
    pizzas AS p ON pt.pizza_type_id = p.pizza_type_id
    JOIN
    order_details AS od ON od.pizza_id = p.pizza_id
GROUP BY name
ORDER BY most_ordered DESC
LIMIT 5;
```

	name	most_ordered
►	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371



Hope you liked it!

**THANK
YOU**

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