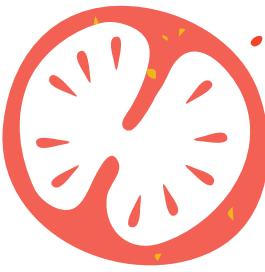
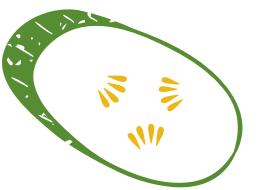


SQL PROJECT ON PIZZA SALES



HELOO !

* MY NAME IS GAURAV SHARMA AND IN THIS PROJECT I
HAVE UTILIZED SQL QUERIES TO SOLVE QUESTION
THAT WERE RELATED TO PIZZA SALES

Total Number of Orders Placed

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



Result Grid	
	total_orders
→	21350

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;
```

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Result Grid	
	total_sales
▶	817860.05

Highest-Priced Pizzas

```
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 R
	name	price
	The Greek Pizza	35.95

Most Common Pizza Size Ordered

```
SELECT quantity,  
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 LIMIT 1;
```

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Result Grid | Filter

	quantity	order_count
»	1	18526

Top 5 Most Ordered Pizza Types

```
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

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;
```



Result Grid | F

	category	quantity
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

Distribution of Orders By Hour

```
SELECT  
    HOUR(order_time) AS hour, COUNT(order_id) AS order_count  
FROM  
    orders  
GROUP BY HOUR(order_time);
```



Result Grid | Filter Row

	category	COUNT(name)
1	Chicken	6
2	Classic	8
3	Supreme	9
4	Veggie	9

Category-wise Distribution of Pizzas

```
SELECT  
category, COUNT(name)  
FROM  
pizza_types  
GROUP BY category;
```



Result Grid | Filter Row

	category	COUNT(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

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		

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;
```



Result Grid | Filter Rows:

	name	revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5

Total Number of Orders Placed

SELECT

pizza_types.category, Round(SUM(orders_details.quantity * pizzas.price) / (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)*100, 2) 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.category

ORDER BY revenue DESC;



Result Grid | Filter

	category	revenue
1	Classic	26.91
2	Supreme	25.46
3	Chicken	23.96
4	Veggie	23.68

Cumulative Revenue Generated Over Time

```
select order_date, sum(revenue) over(order by order_date) as cum_revenue  
      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;
```



Result Grid | Filter Rows:

	order_date	cum_revenue
	2015-01-01	2713.850000000004
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14259.5

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;
```



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



THANK YOU



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