Solving Pizza Sales Queries

Here various queries related to
Pizza Sales are solved using MySQL

Project By: Aishwarya Jadhav

Retrieve the total number of orders placed.

```sql
SELECT count(order_id) from orders as total_orders ;
```
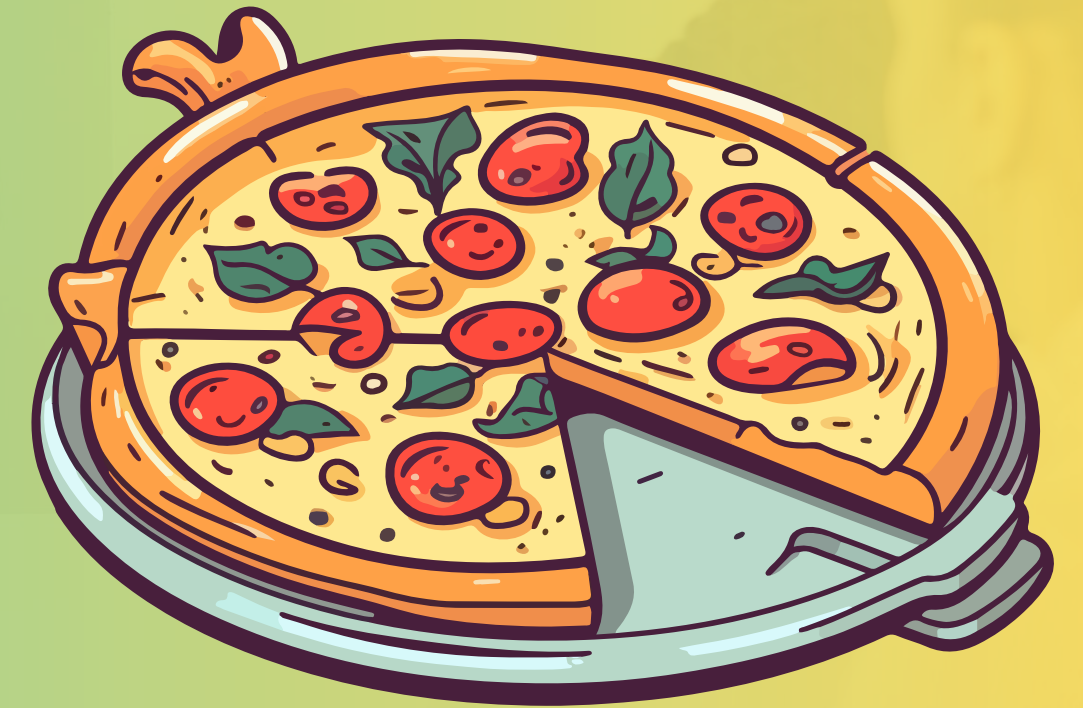
count(order_id)
21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```sql
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 | Filter Rows:

total_sales
817860.05

03

IDENTIFY THE HIGHEST PRICE PIZZA

```sql
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

04

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 Rows:

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

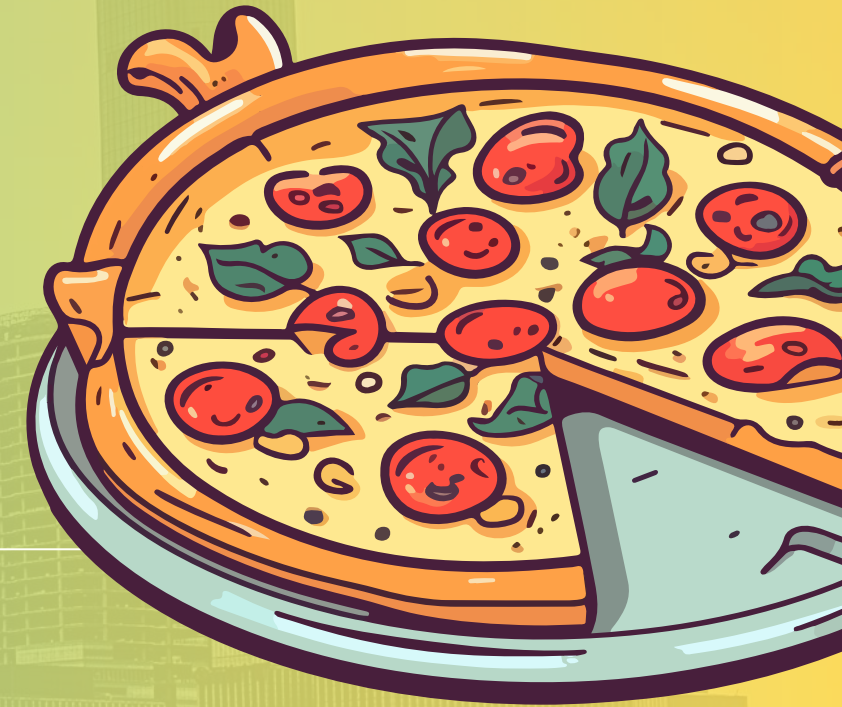# LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```sql
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;
```

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

Result Grid Filter Rows:

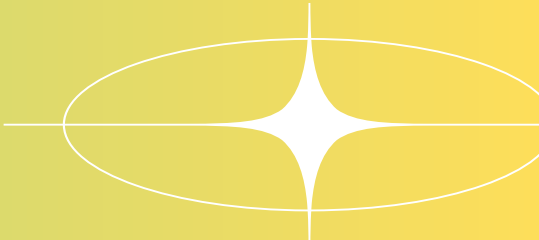# JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED

```sql
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;
```
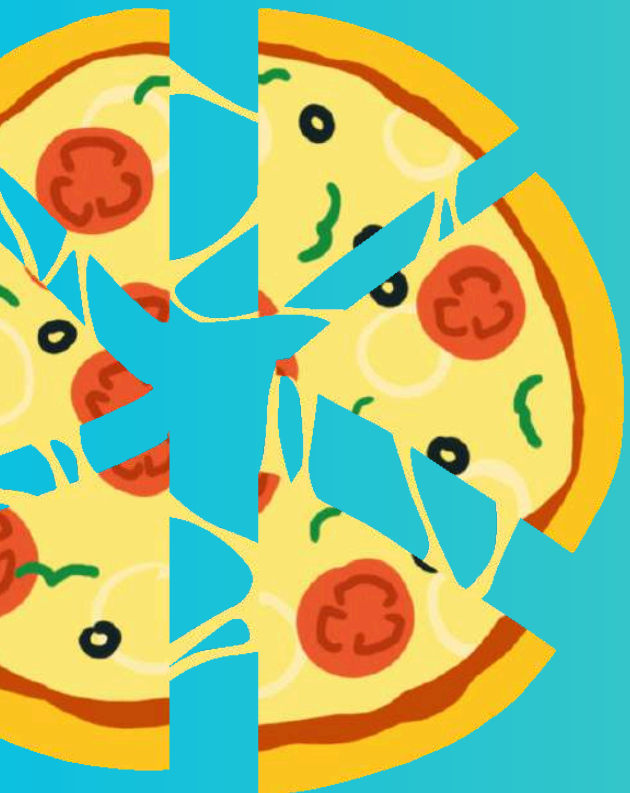
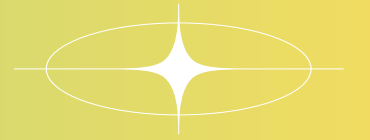| category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

07

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

```sql
SELECT
    hour(order_time) as hour, count(order_id) as order_count
    FROM orders
GROUP BY hour(order_time);
```

Result Grid | Filter Rows:

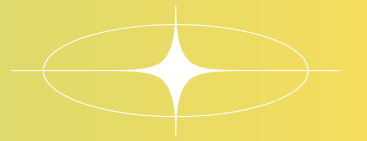| hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1

JOIN RELEVANT TABLES TO FIND THE CATEGORY WISE DISTRIBUTION OF PIZZAS

```sql
SELECT category, count(name) FROM pizza_types
GROUP BY category
```

category	count(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9

09

GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY
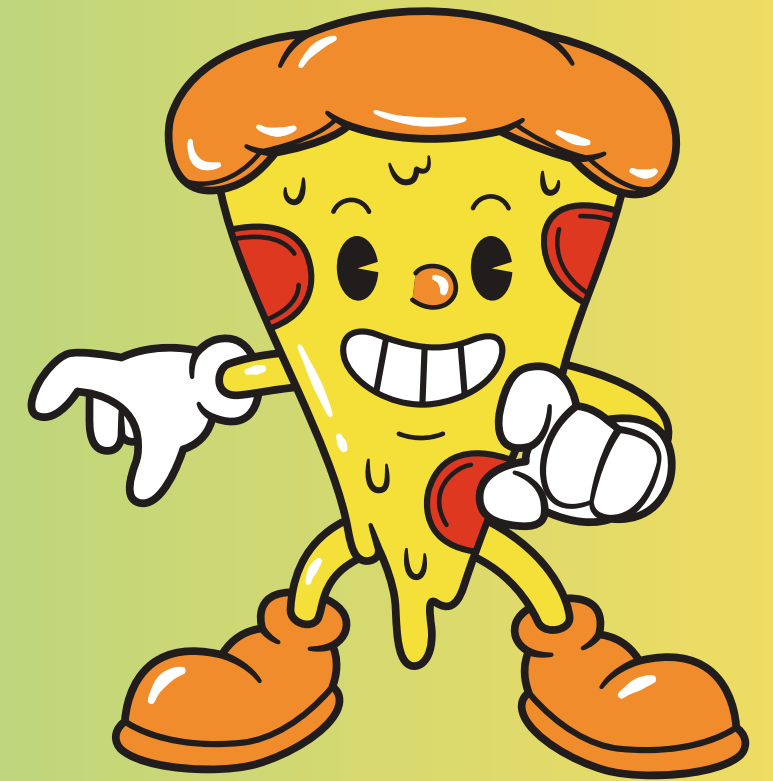
```sql
SELECT
    ROUND(AVG(quantity), 0) as avg_pizza_ordered_per_day
FROM
    (SELECT
        orders.order_date, SUM(orders_details.quantity) AS quantity
    FROM
        orders
    JOIN orders_details ON orders.order_id = orders_details.order_id
    GROUP BY orders.order_date) AS order_quantity;
```

avg_pizza_ordered_per_day
138

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE

```sql
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
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5