



# SQL PROJECT







# ABOUT PROJECT

This project showcases a series of SQL queries designed to explore and analyze pizza sales data across multiple dimensions. It involves a well-structured relational database with tables including `pizza_types`, `pizzas`, `order_details`, and optionally `orders`.



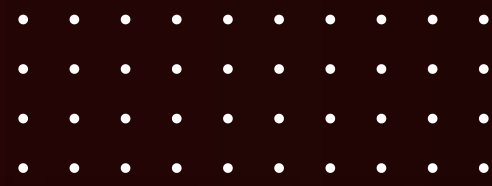


# RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

```
SELECT  
    COUNT(order_id) AS Total_Order  
FROM  
    order_details;
```

Result Grid	
	Total_Order
▶	48620





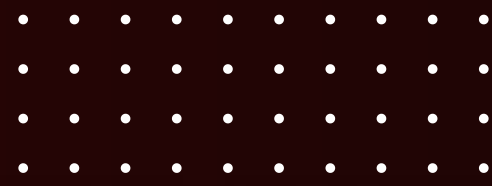
# CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
          2) AS total_revenue
FROM
    order_details
    JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

Result Grid	
	total_revenue
▶	817860.05







# IDENTIFY THE HIGHEST-PRICED PIZZA.

```
SELECT
    PIZZA_TYPES.NAME, PIZZAS.PRICE AS HIGHEST_PRICED
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	HIGHEST_PRICED	
▶	The Greek Pizza	35.95	





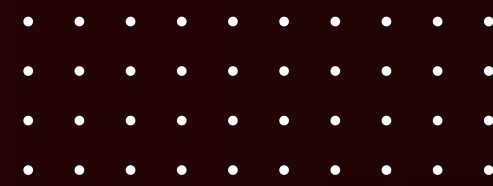
# IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
SELECT
    PIZZAS.SIZE,
    COUNT(order_details.ORDER_DETAILS_ID) AS ORDER_COUNT
FROM
    ORDER_DETAILS
    JOIN
    PIZZAS ON ORDER_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID
GROUP BY pizzas.SIZE
ORDER BY ORDER_COUNT DESC
LIMIT 1;
```

Result Grid			Filter Rows:
	SIZE	ORDER_COUNT	
▶	L	18526	



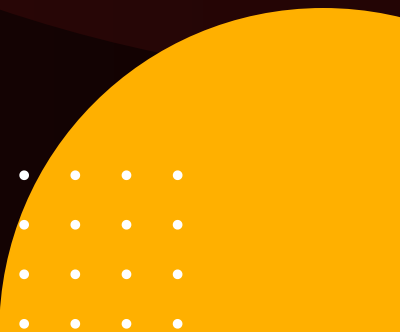


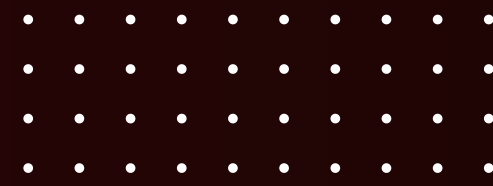


# LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
SELECT
    pizza_types.NAME, SUM(QUANTITY) AS QUANTITY_ORDERED
FROM
    PIZZA_TYPES
    JOIN
    PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID
    JOIN
    ORDER_DETAILS ON ORDER_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID
GROUP BY PIZZA_TYPES.NAME
ORDER BY QUANTITY_ORDERED DESC
LIMIT 5;
```

Result Grid			Filter Rows:	Export
	NAME	QUANTITY_ORDERED		
▶	The Classic Deluxe Pizza	2453		
	The Barbecue Chicken Pizza	2432		
	The Hawaiian Pizza	2422		
	The Pepperoni Pizza	2418		
	The Thai Chicken Pizza	2371		





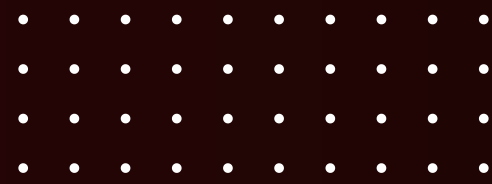
# DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

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

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
HOUR(order_time)	COUNT(order_id)			
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.

```
SELECT
    category, COUNT(order_id) AS distribution
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY category;
```

Result Grid			Filter Rows:
	category	distribution	
▶	Classic	14579	
	Veggie	11449	
	Supreme	11777	
	Chicken	10815	







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# THANK YOU

