

ITALIAN PIZZA

BY SHRESTH





WELCOME TO OUR DATA ANALYSIS

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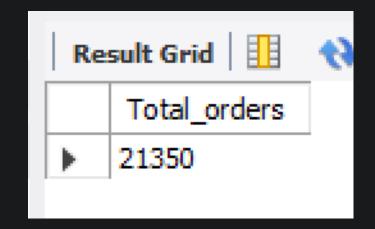
RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

```
* SELECT

COUNT(order_id) AS Total_orders

FROM

orders;
```











CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
SELECT

ROUND(SUM(orders_details.quantity * pizzas.price),

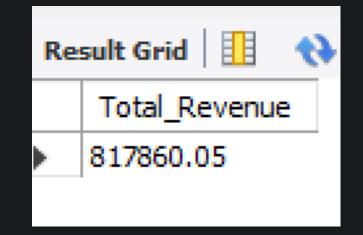
2) AS Total_Revenue

FROM

orders_details

JOIN

pizzas ON pizzas.pizza_id = orders_details.pizza_id
```

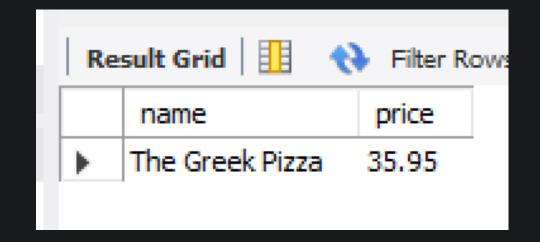








IDENTIFY THE HIGHEST-PRICED PIZZA.











IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

```
SELECT

pizzas.size,

COUNT(orders_details.order_details_id) AS order_count

FROM

orders_details

JOIN
```

pizzas ON orders_details.pizza_id = pizzas.pizza_id

GROUP BY pizzas.size

ORDER BY order_count DESC;

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







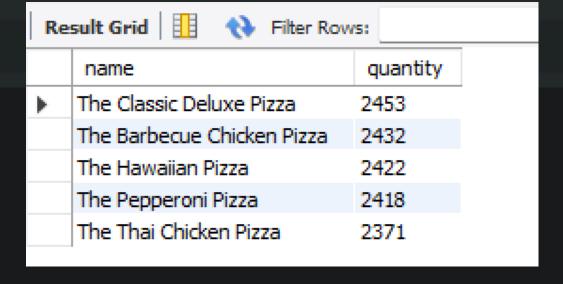


LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

LIMIT 5;



```
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
```











JOIN THE NECESSARY TABLES TO FIND THE TOTAL 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
                                         Result Grid
ORDER BY quantity DESC;
                                                    quantity
                                            category
                                            Classic
                                                    14888
                                           Supreme
                                                    11987
                                           Veggie
                                                    11649
                                           Chicken
                                                    11050
```







DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

SELECT

HOUR(order_time), COUNT(order_id)

FROM

orders

GROUP BY HOUR(order_time);

E	esult Grid	Filter Rows:
	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(name) AS count_name FROM pizza_types GROUP BY category

ORDER BY count_name DESC;

Result Grid 🔢 🙌 Filter Ro				
	category	count_name		
•	Supreme	9		
	Veggie	9		
	Classic	8		
	Chicken	6		



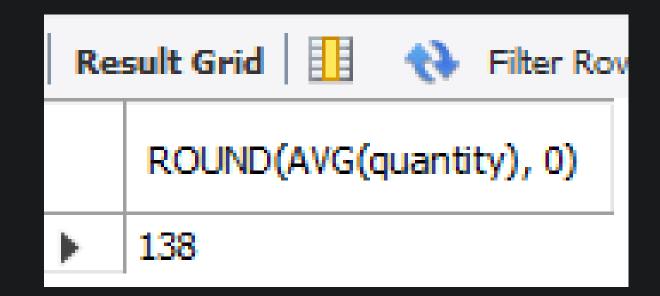






GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
SELECT
    ROUND(AVG(quantity), 0)
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;
```











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 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 revenue DESC
LIMIT 3;
```

Result Grid		
	name	revenue
•	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5





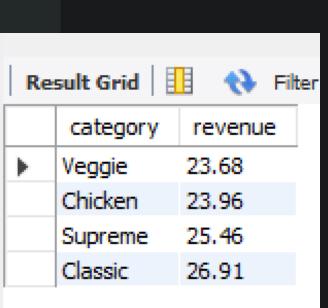




CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```
SELECT
   pizza_types.category,
   ROUND((SUM(orders_details.quantity * pizzas.price) / (SELECT
                   ROUND(SUM(orders_details.quantity * pizzas.price),
                               2) AS Total_Revenue
               FROM
                   orders_details
                        JOIN
                   pizzas ON pizzas.pizza id = orders details.pizza id)) * 100,
           2) 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
ORDER BY revenue;
```

Result Grid					
	category	revenue			
•	Veggie	23.68			
	Chicken	23.96			
	Supreme	25.46			
	Classic	26.91			











THANK FORYOU

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