SALES REPORT

INTRODUCTION

Hello My name is Adarsh.
Welcome to our Sales Report Presentation.
In this project I have utilized SQL to get answers of required questions. we delve into a comprehensive overview of our sales performance, exploring the highs, challenges, and strategic insights that have shaped our journey.

- Retrive the total number of order placed
- Calculate the total revenue generated from pizza sales
- identify highest priced pizza
- Identify the most priced pizzas and its quantity
- Identify the most common pizza size order

QUESTIONS

- Join the neccessary table to find the total quantity of each pizza category ordered.
- Determine the distribution of orders by hours of the day.
- Identify the most common pizza size order
- Determine the top three most order pizzas types based on revenue
- Identify the most common pizza size order

Retrive the total number of order placed

```sql
SELECT
    COUNT(order_id) AS total_orders
FROM
    orders1
```

Result Grid

	total_orders
▶	21350

Calculate the total revenue generated from pizza sales

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

Result Grid

total_sales
1635720.1

identify highest priced 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

Identify the most priced pizzas and its quantity

```sql
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
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 DESC
LIMIT 5;
```

name	quantity
The Classic Deluxe Pizza	4906
The Barbecue Chicken Pizza	4864
The Hawaiian Pizza	4844
The Pepperoni Pizza	4836
The Thai Chicken Pizza	4742

Identify the most common pizza size order

```sql
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

size	order_count
L	37052
M	30770
S	28274
XL	1088
XXL	56

join the neccessary table to find the total quantity of each pizza category ordered.

```sql
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
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.category
ORDER BY quantity DESC;
```

category	quantity
Classic	29776
Supreme	23974
Veggie	23298
Chicken	22100

determine the distribution of orders by hours of the day.

```sql
SELECT
    HOUR(order_time) AS hour, COUNT(order_id) as order_quantity
FROM
    orders1
GROUP BY HOUR(order_time);
```

hour	order_quantity
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

Identify the most common pizza size order

```sql
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

size	order_count
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Determine the top three most order pizzas types based on revenue

```sql
select pizza_types.name,
sum(order_details.quantity * pizzas.price )as revenue
from pizza_types join pizzas
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.name order by revenue desc limit 3;
```

name	revenue
The Thai Chicken Pizza	86868.5
The Barbecue Chicken Pizza	85536
The California Chicken Pizza	82819

Identify the most common pizza size order

```sql
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

size	order_count
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THANK YOU