



PIZZA HUT

SQL ANALYSIS

PRESENTED BY
DUSHYANT KUMAR

LET'S START!

OBJECTIVE

1

Analyzing customer behavior, sales trends, and operational data to drive informed decisions

2

Solving business problems by using data to answer key questions related to performance metrics, customer satisfaction, and market trends.

3

Identifying patterns that can improve inventory management, sales forecasting, and marketing strategies.

QUESTION 1

Calculate the total revenue generated from pizza sales.

- **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 ;

QUESTION 2

Retrieve the total number of order placed.

SELECT

COUNT(order_id) AS total_orders

FROM

orders ;

QUESTION 3

Identify the most common pizza size order

```
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 ;
```

QUESTION 4

List the top 5 most ordered pizza type along with their quantity

```
SELECT  
    pizza_types.name, SUM(order_details.quantity)  
FROM  
    pizzas  
    JOIN  
    pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
    JOIN  
    order_details ON pizzas.pizza_id = order_details.pizza_id  
GROUP BY pizza_types.name  
ORDER BY SUM(order_details.quantity) DESC  
LIMIT 5;
```

QUESTION 5

Determine the distribution of order by hour of the day

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

QUESTION 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(order_details.quantity) AS quantity  
    FROM  
        orders  
    JOIN order_details ON orders.order_id = order_details.order_id  
    GROUP BY orders.order_date) AS order_qantity;
```

QUESTION 7

Analyse the cumulative revenue generated over time

```
SELECT order_date, sum(total_revenue) over(order by order_date)
  as cumm_revenue FROM(SELECT orders.order_date,
sum(order_details.quantity*pizzas.price)  as total_revenue
FROM pizzas join order_details on
pizzas.pizza_id=order_details.pizza_id
join orders on orders.order_id=order_details.order_id
group by orders.order_date) As revenue;
```

QUESTION 8

Calculate the percentage contribution of each pizza type of total revenue

```
Select pizza_types.name ,round((sum(order_details.quantity*pizzas.price)/( select sum(order_details.quantity*pizzas.price) as total_sales from order_details join pizzas on pizzas.pizza_id=order_details.pizza_id)*100),1) As percentage_revenue from pizzas join order_details on pizzas.pizza_id=order_details.pizza_id join pizza_types on pizzas.pizza_type_id=pizza_types.pizza_type_id group by pizza_types.name order by percentage_revenue desc limit 5;
```



THANK YOU