Pizza Sales Presentation

Project

By Vijay - vijay.sudhagenesh@gmail.com

Hello !!!

My name is Vijay, Im doing PGP in Data Science And ML couse in Intellipat in this project i use MS SQL to solve the queations related to sales.

Totaly given 12 problems to solve it, lets go...

Problem

Given a Problem Relaed to Pizza Slaes by a XYZ Industry
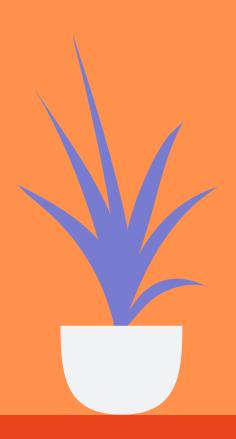
01

Retrieve the total number of orders placed.

02

Elaborate on how this negatively impacts people and their experiences.

03

Identify the highest-priced pizza.

01

select count(*) as Total_Numbers_of_orders from orders

Solution

02

select sum(od.quantity * p.price) as Total_Revenue_Generated from
order_details od
join pizzas p
on od.pizza_id = p.pizza_id

03

select * from pizzas where price = (select max(price) from pizzas)

Problem

Given a Problem Relaed to Pizza Slaes by a XYZ Industry

04

Identify the most common pizza size ordered.

05

List the top 5 most ordered pizza types along with their quantities.

06

Join the necessary tables to find the total quantity of each pizza category ordered.

04

select top 1 p.size,count(od.order_id) as Count_of_order from pizzas p join
order_details od on p.pizza_id = od.pizza_id
group by p.size
order by count(od.order_id) desc

05

select top 5 pt.name as Name, sum(od.quantity) as Count_of_order from pizzas p
join pizza_types pt on p.pizza_type_id = pt.pizza_type_id
join order_details od on od.pizza_id = p.pizza_id
group by pt.name order by sum(od.quantity) desc

06

select pt.category, sum(od.quantity) as total_quantity from pizzas p
join pizza_types pt on p.pizza_type_id = pt.pizza_type_id
join order_details od on od.pizza_id = p.pizza_id
group by pt.category order by sum(od.quantity)

Solution

Problem

Given a Problem Relaed to Pizza Slaes by a XYZ Industry

07

Determine the distribution of orders by hour of the day.

08

Join relevant tables to find the category-wise distribution of pizzas.

09

Group the orders by date and calculate the average number of pizzas ordered per day.

07

select datepart(HH,time) as Hour, count(order_id) as Count_ID from orders
group by datepart(HH,time)
order by count(order_id) desc

Solution

08

select category, count(name) as count_of_pizzas from pizza_types
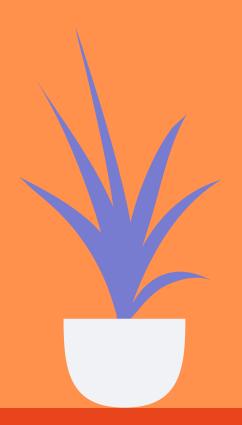group by category

09

select avg(qty_day) as Avg_per_day from
(select o.date, sum(od.quantity)as Qty_day from orders o
join
order_details od
on o.order_id = od.order_id
group by o.date) as order_qty

Problem

Given a Problem Relaed to Pizza Slaes by a XYZ Industry

10
Determine the top 3 most ordered pizza types based on revenue.

11
Calculate the percentage contribution of each pizza type to total revenue.

12
Analyze the cumulative revenue generated over time.

Solution

10

```
select top 3 pt.name, sum(p.price * od.quantity) as revenue from pizza_types pt
join pizzas p on p.pizza_type_id = pt.pizza_type_id
join order_details od on od.pizza_id = p.pizza_id
group by pt.name order by sum(p.price * od.quantity) desc
```

11

```
aselect pt.category,
(sum(p.price * od.quantity)/ (select sum(od.quantity * p.price) as Total_Revenue_Generated
from order_details od  join pizzas p
on od.pizza_id = p.pizza_id))*100 as Percentage_per_caty
from pizza_types pt join pizzas p on p.pizza_type_id = pt.pizza_type_id
join order_details od on od.pizza_id = p.pizza_id group by pt.category
```

12

```
select date,  sum(Total_Revenue_Generated) over (order by date) as cumulative_revenue from
(select o.date ,sum(od.quantity * p.price) as Total_Revenue_Generated from order_details od
join pizzas p  on od.pizza_id = p.pizza_id
join orders o on o.order_id = od.order_id group by o.date) as Sales
```