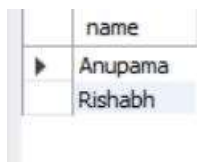Zomato Case Study

1. Find the Customer who never ordered.
2. Average Price of per dish.
3. Find top restaurants in terms of number of orders for a given month.
4. Restaurants with monthly sales greater than x for
5. Show all orders with order details for a particular customer in a particular date range..
6. Find restaurants with maximum number of repeated customers.
7. Month over month revenue growth of Zomato.
8. Find favourite food of customers.

Q1. Find the Customer who never ordered.

SELECT name FROM

zomato.users

WHERE user_id NOT IN (SELECT user_id FROM zomato.orders);

name
► Anupama
Rishabh

Q2. Average Price of per dish.

SELECT f.f_id,f.f_name, AVG(m.price) AS Avg_Price

FROM zomato.menu AS m

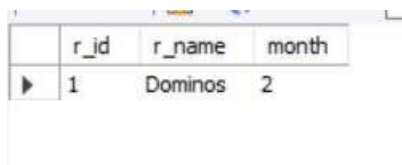JOIN zomato.food AS f ON m.f_id = f.f_id

GROUP BY f.f_id, f.f_name

LIMIT 1000;

f_id	f_name	Avg_Price
► 1	Non-Veg Pizza	450.0000
2	Veg Pizza	400.0000
3	Choco Lava Cake	98.3333
4	Chicken Wings	230.0000
5	Chicken Popcorn	300.0000
6	Rice Meal	213.3333
7	Roti Meal	140.0000
8	Masala Dosa	180.0000
9	Rava Idli	120.0000
10	Schezwan Noodles	220.0000
11	Veg Munchurian	180.0000

Q3. Find top restaurants in terms of number of orders for a given month.

SELECT r.r_id,r.r_name,count(*) AS 'month'

FROM zomato.orders o

JOIN zomato.restaurants r

ON o.r_id = r.r_id

WHERE monthname(o.date) Like 'May'

group by o.r_id, r.r_name

order by count(*) DESC LIMIT 1;

	r_id	r_name	month
▶	1	Dominos	2

SELECT r.r_id,r.r_name,count(*) AS 'month'

FROM zomato.orders o

JOIN zomato.restaurants r

ON o.r_id = r.r_id

WHERE monthname(o.date) Like 'June'

group by o.r_id, r.r_name

order by count(*) DESC LIMIT 1;

	r_id	r_name	month
▶	2	KFC	2

SELECT r.r_id,r.r_name,count(*) AS 'month'

FROM zomato.orders o

JOIN zomato.restaurants r

ON o.r_id = r.r_id

WHERE monthname(o.date) Like 'July'

group by o.r_id, r.r_name

order by count(*) DESC LIMIT 1;

	r_id	r_name	month
▶	3	Box8	2

Q4. Restaurants with monthly sales greater than x for

SELECT o.r_id,r.r_name,sum(o.amount) AS 'revenue'

FROM zomato.orders AS o

JOIN zomato.restaurants AS r

ON o.r_id = r.r_id

WHERE monthname(o.date) Like 'June'

group by o.r_id, r.r_name

having revenue >800

	r_id	r_name	revenue
▶	2	KFC	1750
	1	Dominos	950

Q5. Show all orders with order details for a particular customer in a particular date range.

SELECT o.order_id,r.r_name,f.f_name

FROM zomato.orders AS o

JOIN zomato.restaurants AS r

ON o.r_id = r.r_id

JOIN zomato.order_details AS od

ON o.order_id = od.order_id

JOIN zomato.food AS f

ON f.f_id = od.f_id

WHERE user_id = (SELECT user_id FROM users WHERE name LIKE 'Nitish')

AND (date > '2022-06-10' AND date < '2022-07-10');

	order_id	r_name	f_name
▶	1019	China Town	Schezwan Noodles
	1019	China Town	Schezwan Noodles
	1018	Dosa Pizza	Schezwan Noodles
	1018	Dosa Pizza	Schezwan Noodles
	1019	China Town	Veg Munchurian
	1019	China Town	Veg Munchurian
	1018	Dosa Pizza	Veg Munchurian
	1018	Dosa Pizza	Veg Munchurian

Q6. Find restaurants with maximum number of repeated customers.

SELECT r.r_name, count(*) AS loyal_customers

FROM (

      SELECT r_id,user_id,count(*) AS 'visits'

      from zomato.orders

      group by r_id, user_id

      having visits>2

) AS t

JOIN zomato.restaurants r

ON t.r_id = r.r_id

GROUP BY r.r_id, r.r_name

ORDER BY loyal_customers DESC LIMIT 1;

	r_name	loyal_customers
▶	KFC	2

Q7. Month over month revenue growth of Zomato

WITH sales AS (

  SELECT MONTHNAME(date) AS month, DATE_FORMAT(date, '%Y-%m') AS month_order,SUM(amount) AS revenue

  FROM zomato.orders

  GROUP BY month, month_order

  ORDER BY month_order

)

SELECT month,revenue,LAG(revenue, 1)

OVER (ORDER BY month_order) AS previous_month_revenue,((revenue - LAG(revenue, 1)

OVER (ORDER BY month_order)) / LAG(revenue, 1)

OVER (ORDER BY month_order)) * 100 AS percentage_change

FROM sales;

	month	revenue	previous_month_revenue	percentage_change
▶	May	4320	NULL	NULL
	June	5020	4320	16.2037
	July	8195	5020	63.2470

Q8. Find favourite food of customers

with temp AS (

SELECT o.user_id, od.f_id, count(*) AS freq

FROM zomato.orders AS o

JOIN zomato.order_details AS od

ON o.order_id = od.order_id

group by o.user_id,od.f_id

)

SELECT u.name, f.f_name, freq

FROM temp AS t1

JOIN zomato.users AS u

ON u.user_id =t1.user_id

JOIN zomato.food AS f

ON f.f_id = t1.f_id

WHERE t1.freq = (SELECT MAX(freq) FROM temp AS t2

WHERE t2.user_id = t1.user_id)

name	f_name	freq
Neha	Choco Lava Cake	8
Khushboo	Choco Lava Cake	5
Nitish	Choco Lava Cake	9
Vartika	Chicken Wings	4
Ankit	Schezwan Noodles	6
Ankit	Veg Munchurian	6