Swiggy Case Study

Special Food

Presentation by

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Welcome

our restaurant offers a vibrant fusion of flavors that tantalize the taste buds and ignite the senses. With a commitment to sourcing the freshest, highest quality ingredients, our talented chefs craft each dish with meticulous attention to detail, creating a symphony of taste and texture that celebrates the diversity of world cuisines. Whether you're craving a traditional favorite or eager to embark on a culinary adventure, our menu promises something extraordinary for every palate.

Queries

1. Find customers who have never ordered?

```
select name from users
where user_id not in (select user_id from orders);
```

2. Average Price/dish

```
SELECT f.f_name, AVG(price) AS 'Average Price'
FROM menu m
JOIN food f ON m.f_id = f.f_id
GROUP BY f.f_name;
```

3. Find the top restaurant in terms of the number of orders for a given month?

```
select   r.r_name as 'RES_name',count(order_id) as 'num_order'
from orders as o
join restaurants as r
on r.r_id = o.r_id
where monthname(date) ='june' group by RES_name
ORDER BY num_order DESC
LIMIT 1;
```

4. restaurants with monthly sales greater than x for

```
select   r.r_name as 'RES_name',sum(amount) as 'Revenue'
from orders as o
join restaurants as r
on r.r_id = o.r_id
where monthname(date) ='june' group by RES_name
having revenue > 500;
```

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

```sql
select o.order_id ,r.r_name as 'Res_name',f.f_name as 'food name'
from orders as o
join restaurants as r
on o.r_id = r.r_id
join order_details as od
on o.order_id = od.order_id
join food as f
on od.f_id = f.f_id
where user_id = (select user_id from users where name = 'ankit')
and date > '2022-06-10' and date < '2022-07-10';
```

6. Find restaurants with max repeated customers

```sql
select r.r_name ,count(*) as 'Regular_Customer'
from (
select r_id , user_id, count(*) as 'visits' from orders group by r_id ,user_id
having visits > 1
) as t
join restaurants as r
on r.r_id = t.r_id
group by r.r_name
order by Regular_Customer desc limit 1;
```

7. Month over month revenue growth of swiggy

```sql
select Months ,
((Total_Revenue-previous_revenue)/previous_revenue)*100
 as Revenue_by_month
from (with sales as(
SELECT MONTHNAME(date) AS `Months`,
 SUM(amount) AS `Total_Revenue`
FROM orders
GROUP BY Months
)
select Months , Total_Revenue,LAG(Total_Revenue,1) over (order by Total_Revenue)
as 'previous_revenue' from sales
) as t ;
```

8. Customer - favorite food

```sql
with fav as (
select o.user_id ,od.f_id,count(*) as 'frequency'
from orders o
join order_details as od
on o.order_id = od.order_id
group by o.user_id ,od.f_id
order by o.user_id
)
select u.name as 'customer' ,f.f_name as 'favourite_Food' ,t1.frequency from fav t1
join food as f
on f.f_id = t1.f_id
join users as u on u.user_id = t1.user_id
where t1.frequency = (select MAX(frequency) from fav t2 where t2.user_id = t1.user_id );
```

Most Paired Products

```
 WITH temp AS (
SELECT order_id,GROUP_CONCAT(f_id ORDER BY f_id SEPARATOR ',') AS product_ids
FROM order_details
GROUP BY order_id HAVING COUNT(*) > 1
)SELECT f1.f_name AS product1, _name AS product2, COUNT(*) AS pair_count
FROM temp a
JOIN temp b ON a.order_id = b.order_id
JOIN order_details o1 ON a.order_id = o1.order_id
JOIN order_details o2 ON b.order_id = o2.order_id
JOIN food f1 ON o1.f_id = f1.f_id
JOIN food f2 ON o2.f_id = f2.f_id
GROUP BY product1, product2
ORDER BY pair_count DESC;
```

Find the most loyal customers for all restaurant

```sql
select r.r_name as 'RES_name',u.name as 'Loyal Customers',
count(order_id) as 'number_orders'
from orders as o
join users as u
on u.user_id = o.user_id
join restaurants as r
on r.r_id = o.r_id
 group by u.name,r.r_name
having number_orders > 1;
```