FOOD

SWIGGY CASE STUDY

Find customers who have never ordered

```sql
SELECT
    name
FROM
    users
WHERE
    user_id NOT IN (SELECT
            user_id
        FROM
            orders);
```

name
Anupama
Rishabh

Average Price/dish

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

f_name	Avg Price
Non-veg Pizza	450.0000
Veg Pizza	400.0000
Choco Lava cake	98.3333
Chicken Wings	230.0000
Chicken Popcorn	300.0000
Rice Meal	213.3333
Roti meal	140.0000
Masala Dosa	180.0000
Rava Idli	120.0000
Schezwan Noodles	220.0000
Veg Manchurian	180.0000

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

```sql
SELECT
    r.r_name, COUNT(*) AS 'month'
FROM
    orders o
        JOIN
    restaurants r ON o.r_id = r.r_id
WHERE
    MONTHNAME(date) LIKE 'June'
GROUP BY r.r_name, o.r_id
ORDER BY COUNT(*) DESC
LIMIT 1;
```

	r_name	month
▶	kfc	3

Restaurants with monthly sales greater than x for

```
SELECT
    r.r_name, SUM(amount) AS 'revenue'
FROM
    orders o
        JOIN
    restaurants r ON o.r_id = r.r_id
WHERE
    MONTHNAME(date) LIKE 'June'
GROUP BY r.r_name
HAVING revenue > 500
LIMIT 0, 1000;
```

r_name	revenue
dominos	950
kfc	990

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

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

order_id	r_name	f_name
1019	China Town	Schezwan Noodles
1018	Dosa Plaza	Schezwan Noodles
1019	China Town	Veg Manchurian
1018	Dosa Plaza	Veg Manchurian

Find restaurants with max repeated customers

```sql
SELECT
    r.r_name, COUNT(*) AS 'loyal_customers'
FROM
    (SELECT
        r_id, user_id, COUNT(*) AS 'visits'
    FROM
        orders
    GROUP BY r_id , user_id
    HAVING visits > 1) t
        JOIN
    restaurants r ON r.r_id = t.r_id
GROUP By r.r_id, r.r_name
ORDER BY loyal_customers DESC
LIMIT 1;
```

	r_name	loyal_customers
▶	kfc	2

Month over month revenue growth of swiggy

```sql
WITH sales AS (
    SELECT
        MONTHNAME(date) AS month,
        SUM(amount) AS revenue,
        MONTH(date) AS month_num
    FROM orders
    GROUP BY month, month_num
    ORDER BY month_num
)
SELECT
    month,
    ((revenue - LAG(revenue, 1) OVER (ORDER BY month_num)) / LAG(revenue, 1)
    OVER (ORDER BY month_num)) * 100 AS month_over_month_growth
FROM sales;
```

month	month_over_month_growth
May	NULL
June	32.7835
July	50.4658

Customer - favorite food

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

name	f_name	frequency
Neha	Choco Lava cake	5
Khushboo	Choco Lava cake	3
Nitish	Choco Lava cake	5
Vartika	Chicken Wings	3
Ankit	Schezwan Noodles	3
Ankit	Veg Manchurian	3