**SWIGGY CASE STUDY**

**This a simple case study to extract data on given database using SQL queries in mysql**

First lets explore databases it contains 6 tables

Food

menu;

employee

order\_details

orders

restarants;

users

**let’s us jump to questions we need to answer using SQL query**

1. **Find customers who have never ordered**

select name,user\_id from users where user\_id not in

(select user\_id from orders );

1. **Average Price/dish**

select f.f\_id,(amount)as avg\_price,m.f\_name from orders o join

order\_details f on f.order\_id = o.order\_id join food m on f.f\_id =m.f\_id

group by f.f\_id order by f\_id;

1. **Find top restautant in terms of number of orders for a given month**

select r.r\_name, count(\*) a from

orders o join restaurants r on o.r\_id = r.r\_id

where monthname(date)='june' group by o.r\_id

order by a desc limit 1:

1. **restaurants with monthly sales > x for a particular month (take x as 750)**

select r.r\_name, sum(amount) as a from

orders o join restaurants r on o.r\_id = r.r\_id

where monthname(date)='may'

group by o.r\_id having sum(amount) > 750;

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

select u.name,o.order\_id,r\_name,f.f\_name from users u join orders o on u.user\_id = o.user\_id

join restaurants r on o.r\_id= r.r\_id join order\_details d on d.order\_id = o.order\_id join food f on f.f\_id = d.f\_id

where name ='neha' and date in

(select date from orders where date > '2022-06-10' and date < '2022-07-10');

1. **Customer -> favorite food**

select u.name,f.f\_name,count(\*) as 'freq' from order\_details o join orders s on o.order\_id=s.order\_id

join users u on u.user\_id= s.user\_id join food f on f.f\_id=o.f\_id

group by s.user\_id,o.f\_id

having freq>2 order by freq desc ;

**g. Find the restaurant with max repeat customers**

(select r.r\_name,u.name,o.user\_id,o.r\_id,count(o.user\_id) as no\_of\_orders from restaurants r join orders o on r.r\_id = o.r\_id join users u on u.user\_id = o.user\_id

group by o.r\_id,o.user\_id order by no\_of\_orders desc limit 3)

1. **Find most loyal customers for all restaurant**

SELECT r.r\_name,t.r\_id,count(\*) AS 'loyal\_customers' from

(SELECT user\_id,r\_id,count(\*) as 'visits' from orders group by user\_id,r\_id having visits >1) t

join restaurants r on r.r\_id = t.r\_id

group by r\_id order by loyal\_customers desc ;

1. **Month over month revenue growth of a restaurant/swiggy**

SELECT month,((revenue-r1)/r1)\*100 from

(

with sales as

(SELECT monthname(date) as 'month',sum(amount) as 'revenue'

from orders group by month)

select month,revenue,lag(revenue) over() as r1 from sales) t