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

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

   select name,user_id from users where user_id not in

   (select user_id from orders);

  b. **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;

  c. **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:

d. 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;
```

e. 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');
```

f. 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)

g. 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 ;

h. 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