**SQL Project on Zomato Data**

create database zomato;

use zomato;

create table sales(

userid int,

created\_date date,

product\_id int

);

insert into sales(userid ,created\_date ,product\_id)

values

(1,"2017-04-19",2),

(3,"2019/12/18",1),

(2,"2020/07/20",3),

(1,"2019/10/23",2),

(1,"2018/03/19",3),

(3,"2016/12/20",2),

(1,"2016/11/09",1),

(1,"2016/05/20",3),

(2,"2017/09/24",1),

(1,"2017/03/11",2),

(1,"2016/03/11",1),

(3,"2016/11/10",1),

(3,"2017/12/07",2),

(3,"2016/12/15",2),

(2,"2017/11/08",2),

(2,"2018/09/10",3);

create table product(

product\_id int,

product\_name varchar(225),

price int

);

insert into product(product\_id ,product\_name,price)

values

(1,"P1",980),

(2,"P2",870),

(3,"P3",330);

create table golduser\_signup(

user\_id int,

golduser\_signup\_date date);

insert into golduser\_signup(user\_id ,golduser\_signup\_date)

values

(1,"2017/09/22"),

(3,"2017/04/21");

create table users(

user\_id int,

signup\_date date

);

insert into users(user\_id ,signup\_date)

values

(1,"2014/09/02"),

(2,"2015/01/15"),

(3,"2014/04/11");

select \* from sales;

select \* from product;

select \* from golduser\_signup;

select \* from users;

**#1) what is the total amount each customer spend on zomato?**

select a.userid,sum(b.price) total\_amt\_spend

from sales a

inner join product b

on a.product\_id=b.product\_id

group by a.userid;

**#2) How many days has each costomer visited zomato?**

select userid,count(distinct created\_date) distinct\_days from sales

group by userid;

**#3)what was the first product purchase by the costomer?**

select \* from

(select\*, rank() over (partition by userid order by created\_date) rnk from sales) a where rnk =1;

**#4)what is the most purchased item on the menu and now many times was it purchased by all customers?**

select userid, count(product\_id) cnt from sales where product\_id =

(select top 1 product\_id from sales

group by product\_id

order by count(product\_id) desc) group by userid

**#5) Which item was the most popular for each customer?**

select \* from

(select \*, rank() over(partition by userid order by cnt desc) rnk from

(select userid, product\_id,count (product\_id) cnt from sales

group by userid, product\_id)a)b

where rnk =1