1. **What is the total amount spent by each customer on Zomato ?**

**Ans) select userid,sum(price) from sales as sa join product as pd**

**on sa.product\_id=pd.product\_id group by userid;**

1. **How many dates customer visited Zomato?**
2. **select userid,count(distinct created\_date) from sales group**

**by userid;**

1. **what was the first product brought by each customer ?**
2. **with first\_product as (select userid,created\_date,product\_name,rank() over(partition by userid order by created\_date) as rnk from sales as sa join product as pd on sa.product\_id=pd.product\_id ) select userid,product\_name from first\_product where rnk=1;**
3. **What is the most purchased item in the menu and how many**

**times it purched by all customers ?**

1. **select product\_id,count(product\_id) as cnt from sales group**

**by product\_id order by cnt desc limit 1;**

1. **Which item was most popular for each user ?**
2. **with refrencetable as (select**

**userid,product\_id,count(product\_id) as cnt from sales group**

**by userid,product\_id),resulttable as (select \*,rank()**

**over(partition by userid order by cnt desc ) rnk from**

**refrencetable)**

**select userid,product\_id from resulttable where rnk=1;**

1. **What is the first order after the user signup into the gold\_membership ?**
2. **with rfr as (select ss.userid,product\_id,rank()over(partition by ss.userid order by gold\_signup\_date,created\_date) as rnk from sales ss inner join goldusers\_signup gs on ss.userid=gs.userid and ss.created\_date>=gs.gold\_signup\_date order by ss.userid)**

**select userid,product\_id from rfr where rnk=1;**

1. **What is the total orders and amount spent by each user ?**
2. **with rfr as (select ss.userid,sum(price) as total\_price from sales ss inner join product pp on ss.product\_id=pp.product\_id inner join goldusers\_signup gs on ss.userid=gs.userid and ss.created\_date<gs.gold\_signup\_date group by ss.userid),**

**rfr1 as (select ss.userid,count(pp.product\_id) as total\_products from sales ss inner join product pp on ss.product\_id=pp.product\_id inner join goldusers\_signup gs on ss.userid=gs.userid and ss.created\_date<gs.gold\_signup\_date group by ss.userid)**

**select rfr.userid,total\_price,total\_products from rfr inner join rfr1 on rfr.userid=rfr1.userid order by rfr.userid;**

1. **Calculate points collected by each customer and for which product most points have been given till now?**
2. **with rfr as (select userid,pp.product\_id,case when product\_name="p1" then price/5 when product\_name="p2" then price/2 else price/5 end as points from sales ss inner join product pp on ss.product\_id=pp.product\_id order by userid),**

**rfr1 as (select userid,sum(points) as totalpoints from rfr group by userid order by totalpoints)**

**select userid,totalpoints,max(totalpoints)over(order by totalpoints desc) as max\_points from rfr1 ;**