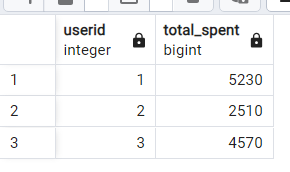
# ZOMATO SQL ANALYSIS

1. **Total Amount spent by each customer**

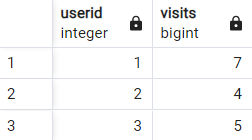
* select sales.userid,sum(product.price) as Total\_spent from sales

join product on sales.product\_id = product.product\_id group by sales.userid order by sales.userid



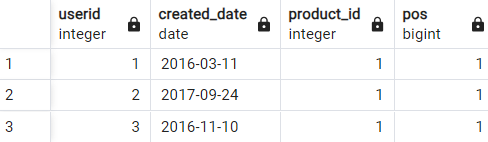
1. **How many days each customer visited zomato**

* select userid,count(distinct created\_date) as visits from sales group by userid



1. **First Product purchased by each customer**

* with rankers as (select \*,rank() over (partition by userid order by created\_date) as pos from sales) select \* from rankers where pos =1

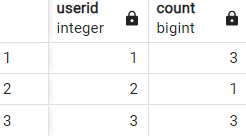


1. **Most purchased item in the menu and how many times that item purchased by all customer**

* select product\_id from sales group by product\_id order by count(product\_id) desc limit 1

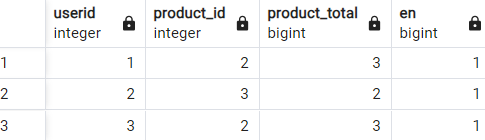
(from this we get the most purchased item)

* select userid,count(product\_id) from sales where product\_id = 2 group by userid



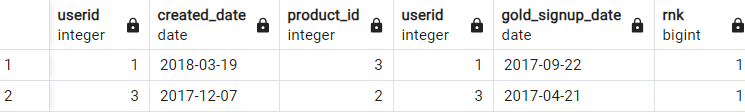
1. **Most popular item for each customer**

* with rnt as(select \*,rank() over (partition by userid order by product\_total desc) as en from (select userid,product\_id,count(product\_id) as product\_total from sales group by 1,2 order by userid)) select \* from rnt where en = 1



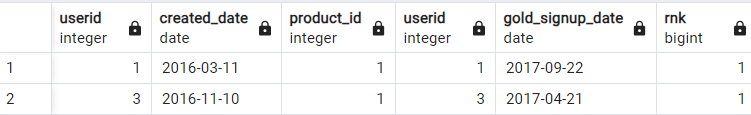
1. **first item purcchased by cudtomer after become member on zomato**

* with aas as(select \*,rank() over (partition by sales.userid order by created\_date) as rnk from sales join goldusers\_signup on goldusers\_signup.userid = sales.userid where created\_date > gold\_signup\_date) select \* from aas where rnk = 1



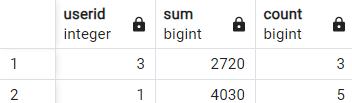
**7.item purchased by customer just befome become member**

* with aas as(select \*,rank() over (partition by sales.userid order by created\_date) as rnk from sales join goldusers\_signup on goldusers\_signup.userid = sales.userid where created\_date < gold\_signup\_date) select \* from aas where rnk = 1



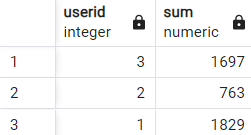
**8.total orders and amount spent of each customer befome become member**

* select s.userid,sum(p.price),count(s.product\_id) from sales as s join product as p on s.product\_id = p.product\_id join goldusers\_signup as g on s.userid=g.userid where created\_date < gold\_signup\_date group by s.userid order by sum(p.price)



**9.points for amount diff for each product**

* select dd.userid,sum(dd.Reddem\_Coins) from (select tr.\*,rnt/Points as Reddem\_Coins from (select tt.\*, case when product\_id = 1 then 5 when product\_id = 2 then 2 when product\_id = 3 then 5 else 0 end as Points from (select p.product\_id,s.userid,sum(p.price) rnt from sales as s join product as p on s.product\_id = p.product\_id group by 2,1 order by sum(p.price),s.userid) as tt) as tr ) as dd group by dd.userid



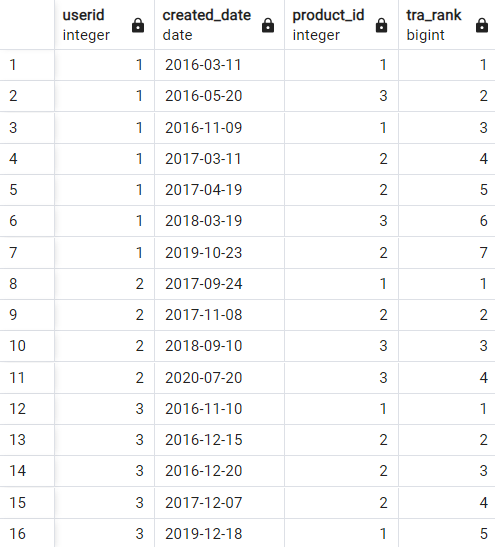
**10.total points in one year after the gold membership join and the points is 5 for every 10rs purchase on every product**

* select \*,dd.cost\*0.5 as total\_points\_in\_1Year from (select s.userid,s.product\_id ,s.created\_date,g.gold\_signup\_date,p.price as cost from sales s join goldusers\_signup g on g.userid = s.userid join product p on s.product\_id=p.product\_id where created\_date >= gold\_signup\_date and created\_date <= gold\_signup\_date + interval '1 year') as dd



**11.rank all transaction of customer**

* select \*,rank() over(partition by userid order by created\_date) as tra\_rank from sales order by userid



**12.rank only members transaction**

* (select dd.\*, case when gold\_signup\_date is null then 0 else dense\_rank() over(partition by User order by gold\_signup\_date)end as rnk from (select s.userid as User,s.created\_date,s.product\_id,g.gold\_signup\_date from sales s left join goldusers\_signup g on g.userid = s.userid and created\_date >= gold\_signup\_date) as dd )

