# UNDERSTANDING CUSTOMER BEHAVIOUR ON ZOMATO

#### INTERNSHIP MINOR PROJECT AT ACADEMOR

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#### **DATA IMPORTATION**

According to instruction I imported the data in excel. I have created four tables

Table A (columns): userid, gold\_signup\_date

Table B (columns): Product\_id, product\_name, price
Table C (columns): Userid, created\_date, product\_id

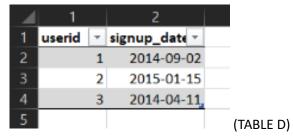
Table D (columns): Userid, signup\_date

4	1	2		4
	- 1	۷		1
1	userid 🔻	gold_signup_dat( ▼		2
			_	
2	1	2017-09-22		4
2	2	2017-04-21		5
J		2017-04-21	_(TABLE A)	6

4			ی	
1	product_id 🔻	product_name 💌	price 🔻	
2	1	p1	980	
3	2	p2	870	
4	3	p3	330	
5				
6				- (

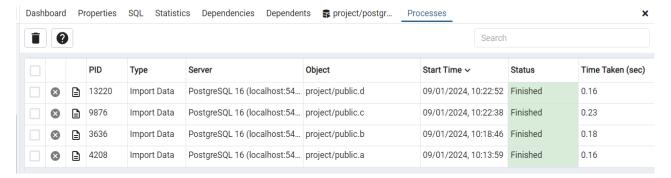
(TABLE B)

4	1		2		3
1	userid	¥	created	~	product_ic 🔻
2		1	2017-04-	19	2
3		3	2019-12-	18	1
4		2	2020-07-	20	3
5		1	2019-10-	23	2
6		1	2018-03-	19	3
7		3	2016-12-	20	2
8		1	2016-11-	09	3
9		1	2016-05-	20	3
10		2	2017-09-	24	1
11		1	2016-03-	11	1
12		3	2016-11-	10	1
13		3	2017-12-	07	2
14		3	2016-12-	15	2
15		2	2017-11-	80	2
16		2	2018-09-	10	3,
17					



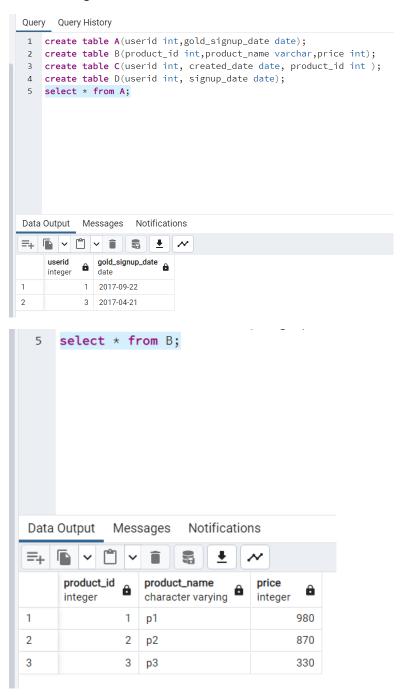
(TABLE C)

These tables are created in excel and I converted them into CSV files. Then I imported the data for SQL operation ( I used postgresql for SQL).



### (data-importation is finished)

#### After creating the tables I checked them in SQL

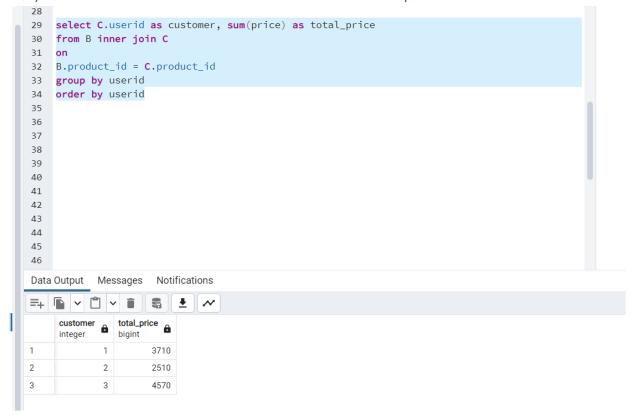


### 4 • select \* from C

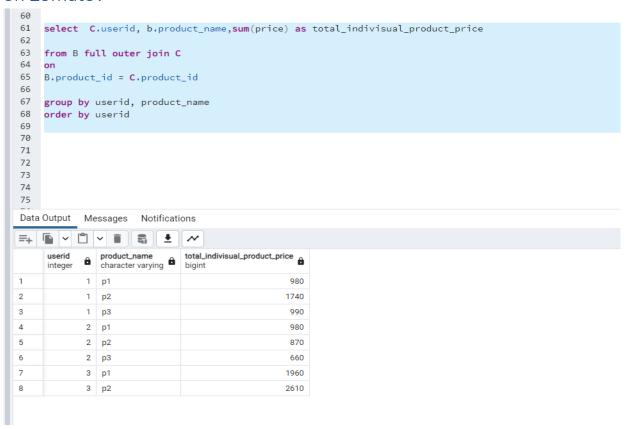
Result Grid			
	userid	created_date	product_id
١	1	2017-04-19	2
	3	2019-12-18	1
	2	2020-07-20	3
	1	2019-10-23	2
	1	2018-03-19	3
	3	2016-12-20	2
	1	2016-11-09	3
	1	2016-05-20	3
	2	2017-09-24	1
	1	2016-03-11	1
	3	2016-11-10	1
	3	2017-12-07	2
	3	2016-12-15	2
	2	2017-11-08	2
	2	2018-09-10	3

5 select \* from D;

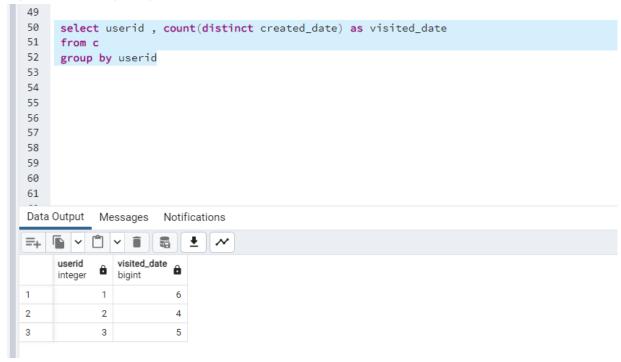
Q1) What is the total amount each customer spent on Zomato?



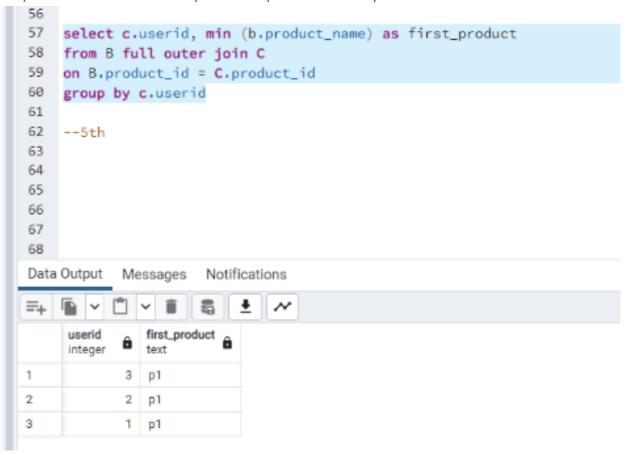
Q2) What is the total amount each customer spent on each product on Zomato?



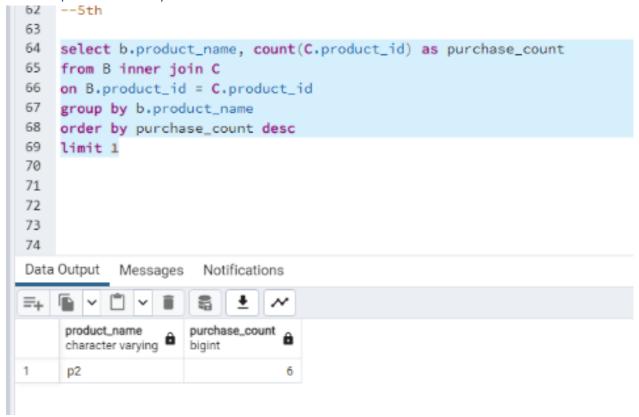
Q3) How many days has each customer visited Zomato?



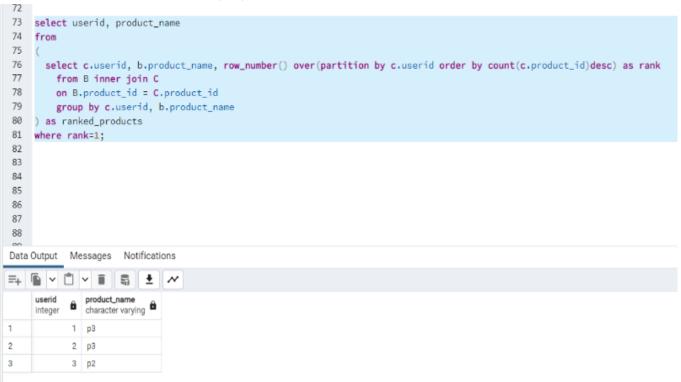
Q4) What was the first product purchased by each customer?



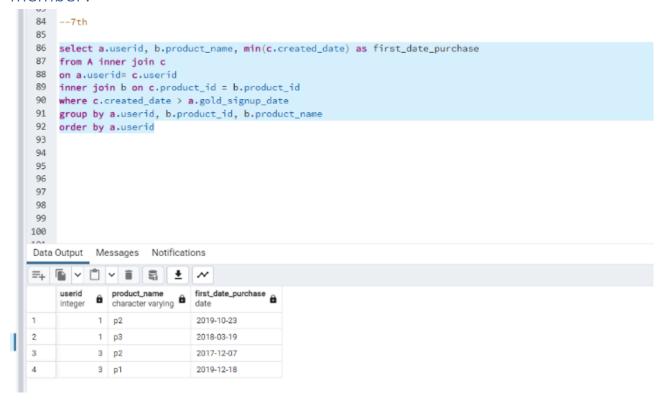
Q5) What is the most purchased item on menu & how many times was it puchased by all customers?



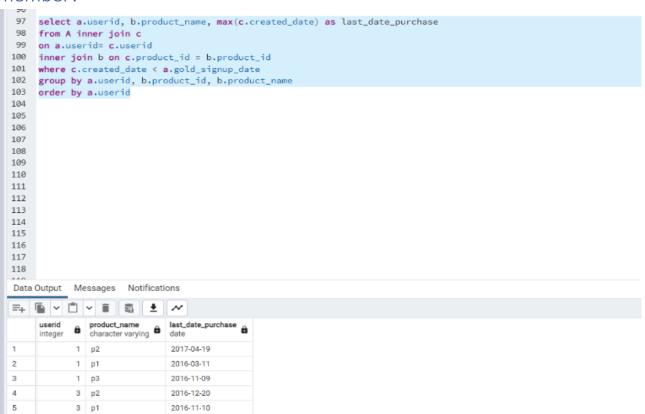
Q6) Which item was most popular for each customer?



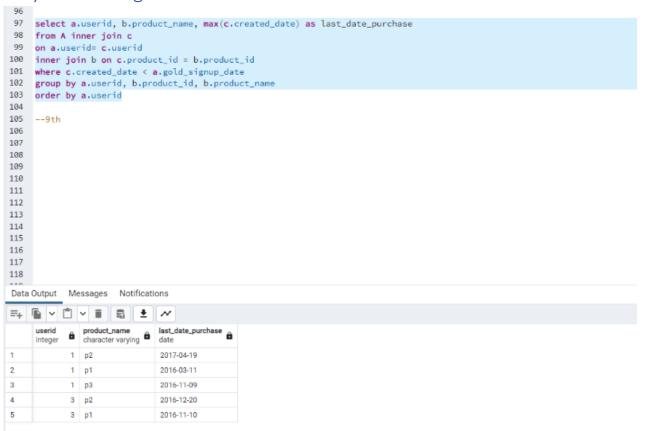
## Q7) Which item was purchased first after they became a gold member?



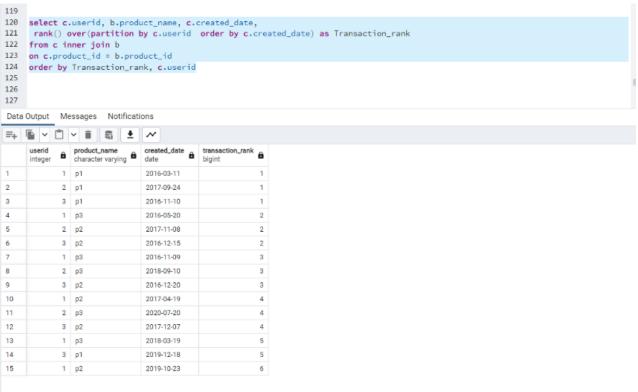
# Q8) Which item was purchased just before they became a gold member?



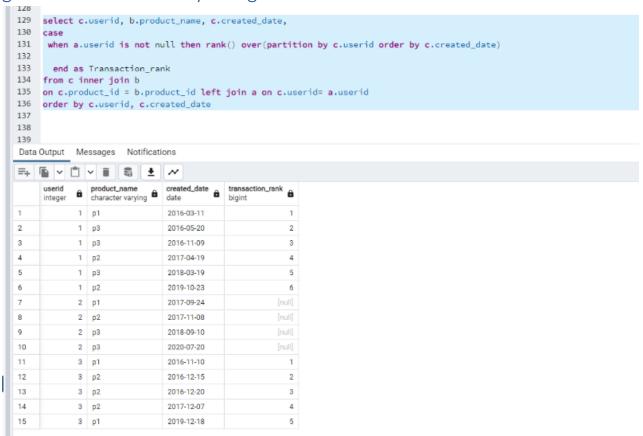
# Q9) What is total orders and amount spent for each member before they became a gold member?



### Q10) rank all transaction of the customers?



Q11) rank all transaction for each member whenever they are zomato gold member. For every non goldmember transaction mark as na



Q12) In the first one year after customer joins the gold program (including the join date) irrespective of what customer has purchased

a) earn 5 zomato points for every 10rs spent. who earned more? 1 or 3

```
143
144
     select a.userid,sum(case when created_date between gold_signup_date and date_add(gold_signup_date, interval '1 year')
145
                       then price/10 \star 5 else 0 end ) as earned_points
146
                       from c inner join b
     on c.product_id = b.product_id inner join a on c.userid=a.userid
147
148
     where a userid in(1,3)
149
     group by a.userid
150
151
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154
156
157
Data Output Messages Notifications
=+ ( v ( v (
                     83
                          <u>*</u> ~
              earned_points
     userid
           â
            3
                       435
```

### b) what is the earning in first year? 1zp = 2rs

