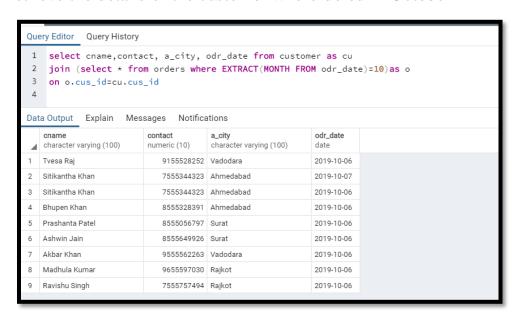
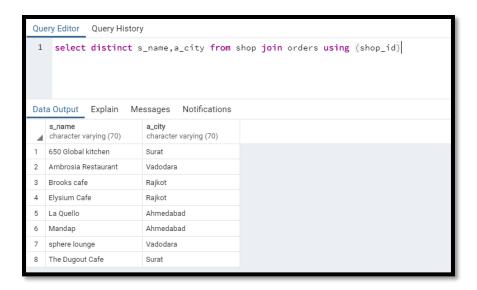
SQL QUERIES AND THEIR RELATIONAL ALGEBRA

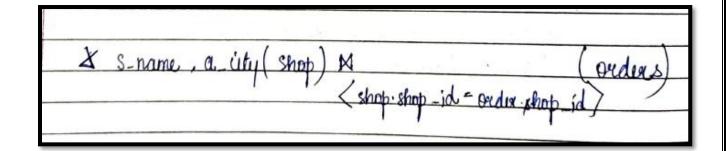
• Retrieve the details of the customer who ordered in October



t ename, unto	et (p(y, (u	ustomer))		
< cu·cm-iq	()	(0)	(orders)))
\ \alpha \dag{\dag{\dag{\dag{\dag{\dag{\dag{	- 0 - (44 = 169)	(extract	(month from oda	-dale)=10)

• Retrieve the details of the shops who have served the customer till now



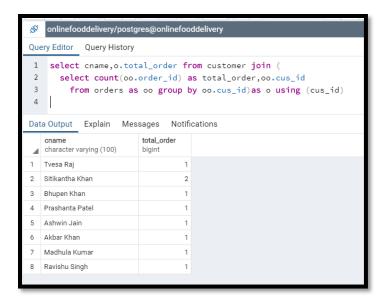


• Count the number of complaints made for each problem.



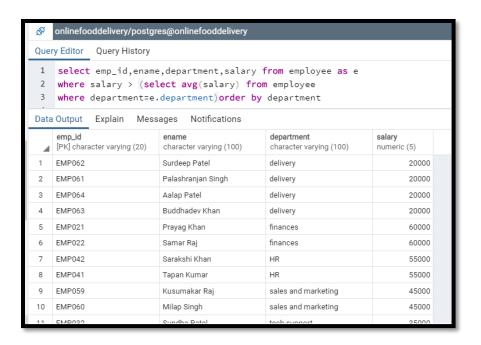
. (1.	
problem	7	(uiuu)
' < puol	lum> < wunt (order_id)	>> Nr. of complaint
	, ,	- Simpanda

• Count the number of orders placed by each customer.



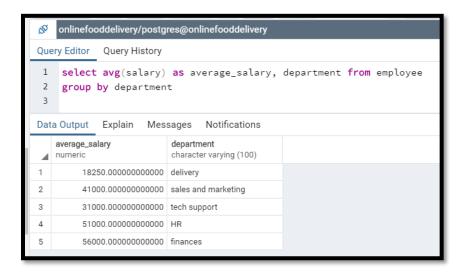
4,←	ename (customer,)
Results	Tename, F <0 count (order_id)> → total_order
	(HI M (b (D, (ording)))
9 76	A LILE OF THE STATE OF THE STAT

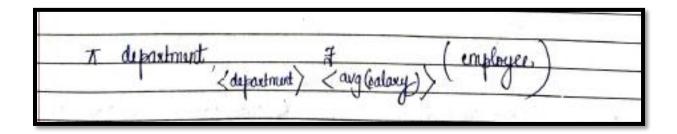
• Retrieve the details of the employee who have the salary greater than the average salary of all the employees of that department.



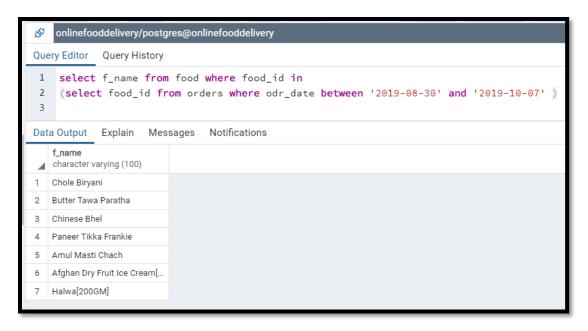
Te	2 name, department, julary (employee) SEMI 101N
	(ralang) ang (ralang) (p (emp. employee))
	o Comployee department = ont.
	TOTAL TOTAL STREET

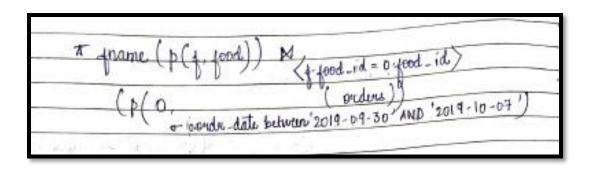
• Calculate the average salary of all the department.



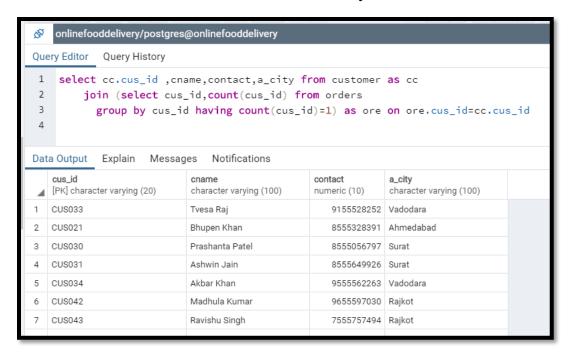


• Select the food item that are in demand from '2019-08-30' and '2019-10-07'





• List all the customers who have ordered only ones till now.

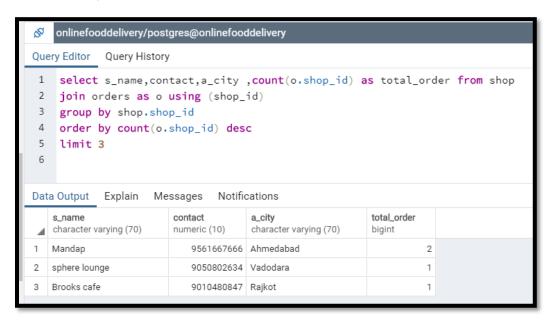


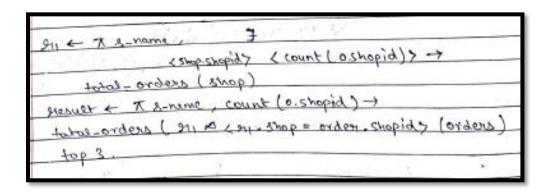
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T cc. cname, revised, a-city (p(cc, customer)) N.

X ore, curid = cc. cus.id> (p(ore, or, cus.id>

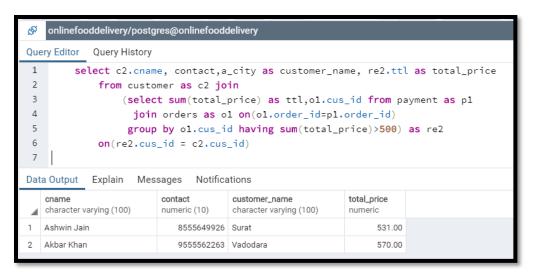
F(count (us.id)>=1, orders)).
```

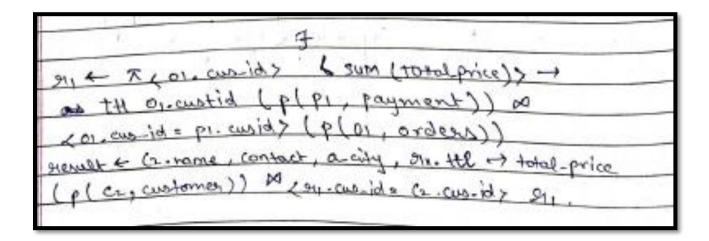
• Retrieve the names of the top 3 shops on the basis of number of orders received by them.



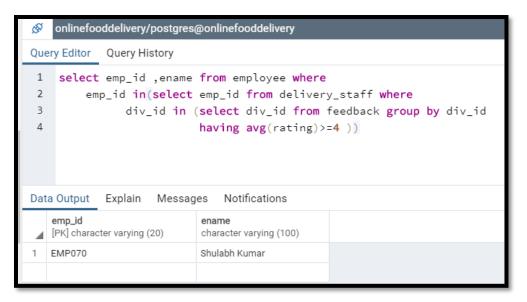


• Select all the customers and the total payments done by them.





• List the employees who got the avg rating greater than 4



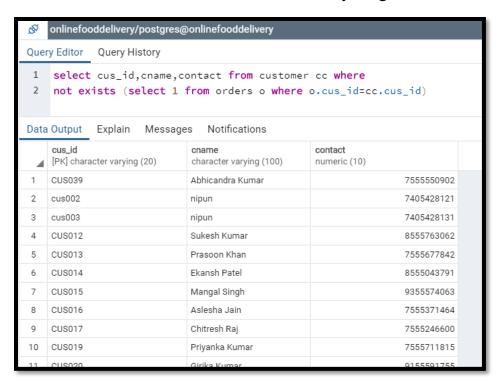
The emp-id, exame (employee) SEMI-JOIN comployee. +mp-id

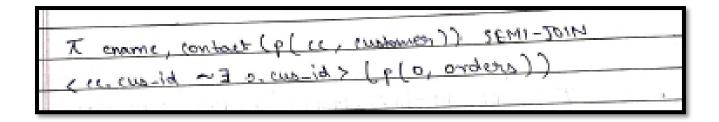
- delivery-stoff-emp-id> delivery-stoff SEMIJOIN

< delivery-stoff-clicid = feedback. div-id>

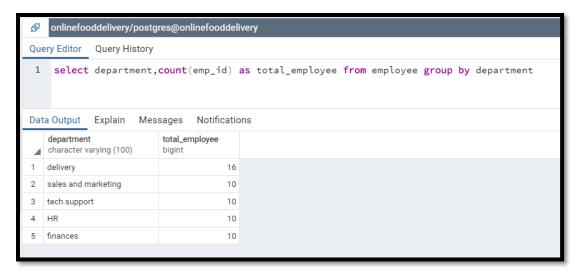
- avg (stafing) >= 4, (feedback)).

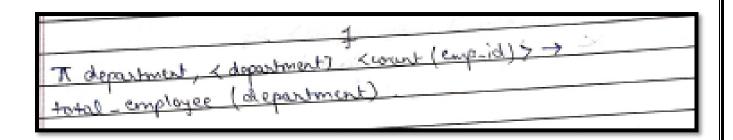
• List all the customers who have not ordered anything till now.



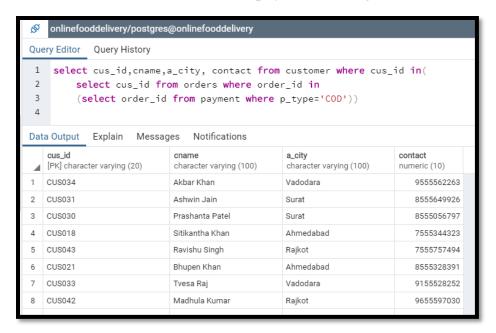


• Count the total number of employees in each department





• List of all the customers who made payment through COD

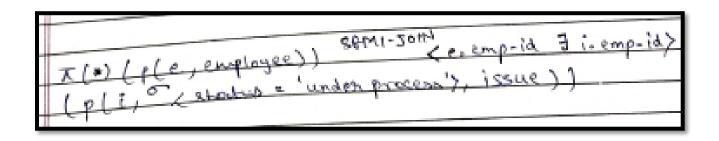


T crame, contact & automes, cut ld = oder. cus ld>
Orders Semi-Join (oder-oder-ld = payment. oder-id) (

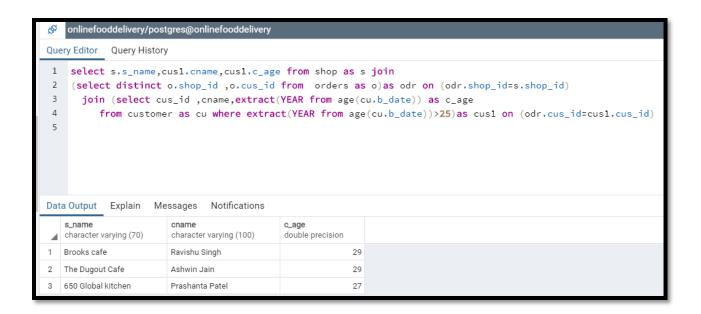
Oxders Semi-Join (oder-oder-ld = payment. oder-id)

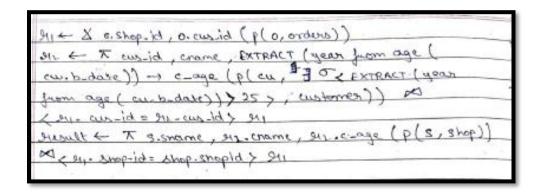
• Retrieve the details of the employee who have their issue status as pending.



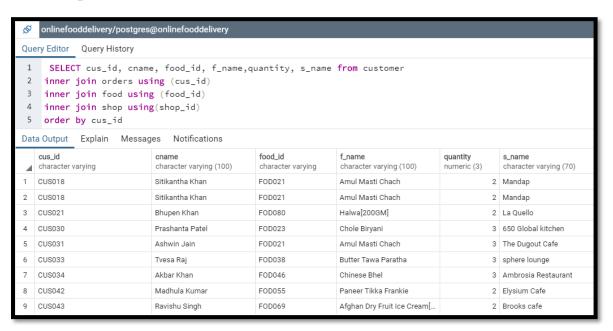


• List the details of the shops and the customers who have served the customers older than 25 years.



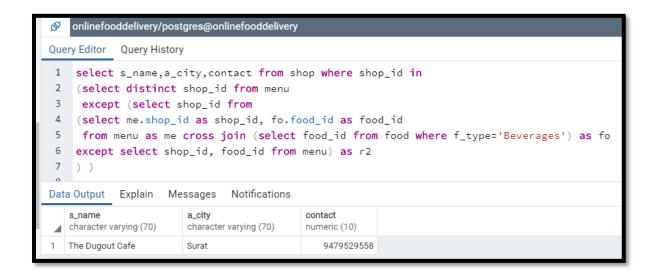


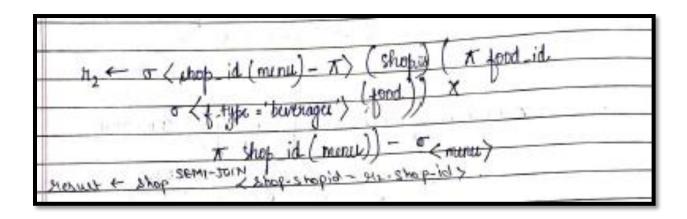
• Retrieve customer name, food name and the shop from which the customer had placed the order.



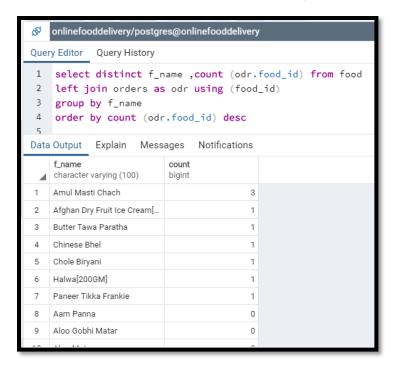
SII & T food-ld, shop-ld, cus_ld (orders)	
212 + X foodid frame, (food)	
lize Transid, Some (Shop)	
Mesult + crame, sizerame, sizerame (custom	er)
M = 8 nop-ld = 913. shop-ld > 213	115 223
cre < bi-bood-cre = bi-bood-re>	-
Y	

• List the shop who serves all the types of beverages.





• List the food items and their count that how many times it has been ordered



T cc. crome, revised, a-city (p(cc, customer)) M.

x ore curvid = cc. cus.id> (p(ore, ox cus.id>

fx count (us-id)>=1, orders)).

• List the shops from surat who served all the food items

```
Ouery Editor Query History

select distinct shop_id from menu
where shop_id not in ( select shop_id as pno from menu as w cross join
( select w.food_id as essn, proj.shop_id as pno from menu as w cross join
( select shop_id from shop where a_city='Surat') as proj
except select shop_id, food_id from menu ) as r2 )

Data Output Explain Messages Notifications

shop_id
character varying (130)
```

	In all To it is is isometry
St to Ke	rop-id (manu)-x> (snop) (* shopid (a-city='surat') X * Shopid (menu)) - (menu) SEMI-Jun Shop shop-id = H1-Shop-id).
, (syob))	About Semi-July Shoo-id = HShop-id)
91esult =	prof Company