DBMS ASSIGNMENT-3

Online Shopping Management System

Team Id: I18

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Queries

1. Add a new user
Insert into customer table, also initializes an empty card for the customer.

shopping=# insert into customer values(11, 'YASHI_TEST', 'xyz', 'yashichawla1@gmail.com', '7777111122', '2001-08-28', 'PES', 'PES'); INSERT 0 1										
shopping=# se customer_id	lect * from customer; 	password	email_id	phone_no	dob	billing_address	shipping_address			
1 2 3 4 5 6 7 8 9	Taddeo Aldersea Carleton Sekulla Correy McConville Flss Dongate Broderick Preston Vina Hammer Catha Natwick Miguelita Aspling Gwenette Rove	1C500k70f5j M7oUQw706eMb T4cgPDs ylWekF9uMcW shl9b0z74 xZ5T6WD	taldersea@@noaa.gov csekulla1@phpbb.com cmcconville2@nature.com fdongate3@china.com.cn bpreston4@rambler.ru vhammer5@utexas.edu cnatwick6@nationalgeographic.com maspling7@house.gov grove8@privacy.gov.au	2373430425 8833436581	1996-10-09 1998-01-05 1996-07-16 1997-10-15 2001-07-22 2003-04-13 1997-09-24 1997-09-24	81308 Grayhawk Avenue 791 Farmco Terrace 54 Di Loreto Plaza 02819 Heffernan Court 447 Dennis Alley 91111 Pleasure Point 34 Waubesa Parkway 925 Chive Road 12 Dakota Lane	52 Kropf Road 88 Oakridge Parkway 270 Bartillon Way 79 Twin Pines Place 7 Westridge Plaza 28 Amoth Avenue 71397 Morningstar Road 418 Victoria Center 96877 Scofield Center			
10 11	Randell McArley YASHI_TEST	ruwr6R xyz	rmcarley9@java.com yashichawla1@gmail.com	9652444117 7777111122		9 Hollow Ridge Crossing PES	0 Prentice Hill PES			
(11 rows)										
shopping=# select *from cart; cart_id no_of_products total_amount										
11 1 2	0 5 1	0 18945 1538								

2. No of customers that have bought the same number of products

3. Name, email of customers displayed with the number of products, amount of their carts.

4. Avg rating of every product, with name, id

5. Get customer info for customers whose transaction amount was greater than the average transaction amount. (nested)

```
shopping:# Select customer_customer_id,transaction.amount from (customer inner join transaction on customer_customer_id transaction.customer_id) where transaction.amount>(select avg(amount) from transaction);
customer_id amount

1 | 18945
4 | 8975
6 | 18804
7 | 18079
8 | 8711
10 | 18753
(6 rows)
```

6. Customers who paid by cash

7. List of Products that got rating above 3

8. Arrange price of products from brands in descending order

shopping=# select brand.name as Brand_Name,product.name as Product_Name,price from product,brand shopping-# where product.brand_id=brand.brand_id order by price DESC;

brand_name	product_name	price
Perren Arends	Cullan Hardwidge	4604
Carrol Brill	Nissie Ongin	4170
Estella Arnhold	Patricia Alyutin	3906
Levi Bursnell	Rickard Hassey	3631
Katina Cordero	Elora Petriello	3267
Darbee Kunkel	Marmaduke Eagland	2243
Malvina Grishunin	Ariel Ebertz	2200
Davon Klainer	Valeda Donson	1568
Cass McNickle	Adler Spurway	1538
Bryn Antoinet	Luelle Danilin	1056
(10 rows)		

9. Get all product-related info from the product, brand, supplier, review tables.

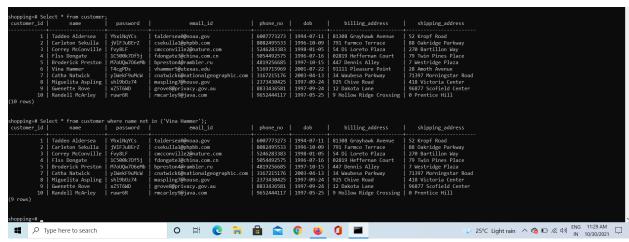
hopping=# select product.name as Product_Name,price,rating,brand.name as brand_name,supplier.name as Supplier_Name from product,review,brand,supplier,sold_by hopping=# where product.brand_id=brand.brand_id and brand.brand_id=sold_by.brand_id and sold_by.s_id=supplier.s_id and product.p_id=review.p_id; product_name | price | rating | brand_name | supplier_name Marmaduke Eagland 5 | Darbee Kunkel Mohandis Yakuntsov 4 Elora Petriello 3267 Katina Cordero Hinda Deamer 5 | 2 | 5 | 2 | 1 | 2 | 3 | Leoine Capeloff Adler Spurway 1538 Cass McNickle Nissie Ongin Carrol Brill 4170 Jobina Sabin Morton Guenther Rickard Hassey 3631 Levi Bursnell Ariel Ebertz Malvina Grishunin 2200 Thurstan Narramore Valeda Donson 1568 Davon Klainer Karl Baitson 3906 Estella Arnhold Merissa Rasmus Patricia Alyutin Luelle Danilin Bryn Antoinet Tadeas McIver Cullan Hardwidge Perren Arends Charles Pople (10 rows)

10. Customers who have not bought product-Rickard Hassey

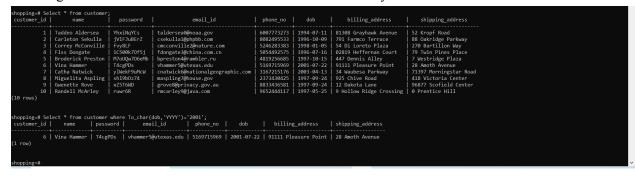
11. Displaying the particular number of attributes (name and description) from a set of attributes relating to a table called product based on product id.



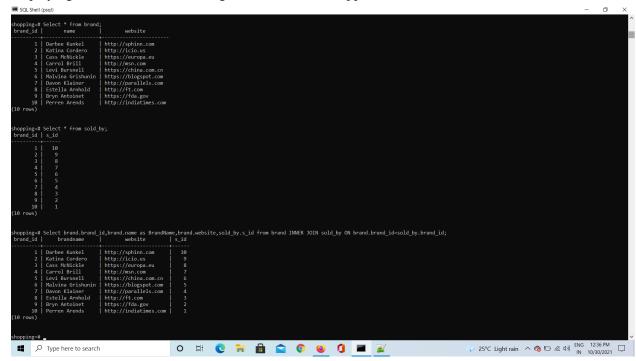
12. Choosing a set of records from the customer table without a particular record based on the customer name.



13. Fetching a set of records from the customer table based on the year of dob.



14. Displaying the brand attributes along with their related supplier id.



15. Displaying customer id using product id in the review table, the product id is fetched based on the name.



Privileges.

```
drop role customer;
drop role admin;
create role customer login password 'customer';
create role admin login password 'admin';
sold by, review
grant all on customer to customer;
grant all on customer order to customer;
grant select, insert, update on review to customer;
grant all on cart to customer;
grant select, update on transaction to customer;
grant select on product to customer;
grant select on brand to customer;
grant select on supplier to customer;
grant select on sold by to customer;
grant all on brand to admin;
grant all on supplier to admin;
grant all on product to admin;
grant all on transaction to admin;
grant all on cart to admin;
grant all on sold by to admin;
grant select on customer to admin;
grant select on review to admin;
```

```
:\Program Files\PostgreSQL\13\bin>psql -U customer -W postgres
Password:
psql (13.4)
WARNING: Console code page (437) differs from Windows code page (1252)
8-bit characters might not work correctly. See psql reference
page "Notes for Windows users" for details.
Type "help" for help.
postgres=> \c shopping
vou are now connected to database "shopping" as user "customer".
shopping=> insert into customer values(100,'test','yashi','yashichawla1@gmail.com','123456789','2001-08-28','Blr','Blr');
shopping=> delete from brand;
ERROR: permission denied for table brand
shopping=> select * from supplier;
 s id
               name
                                         website
                                                            phone_no
                                                                                        email
   1 | Charles Pople
                               http://mit.edu
                                                              6976573751 | cpople0@europa.eu
                               https://archive.org
                                                              9088550777
        Tadeas McIver
                                                                             tmciver1@ted.com
                               https://vkontakte.ru
                                                              1088374509
       Merissa Rasmus
                                                                             mrasmus2@ezinearticles.com
                               http://sogou.com
https://surveymonkey.com
                                                              2026649720
                                                                             kbaitson3@time.com
        Karl Baitson
                                                              7575055757
        Thurstan Narramore
                                                                             tnarramore4@booking.com
                               http://angelfire.com
http://last.fm
        Morton Guenther
                                                              3147869904
                                                                             mguenther5@comsenz.com
        Jobina Sabin
                                                              2795367503
                                                                             isabin6@wix.com
        Leoine Capeloff
                                                                             lcapeloff7@blogspot.com
                                                              4874502804
        Hinda Deamer
                                https://flickr.com
                                                              4733528041
                                                                             hdeamer8@youku.com
   10 | Mohandis Yakuntsov | http://addthis.com
                                                              8726583260
                                                                            myakuntsov9@flickr.com
(10 rows)
```

Work distribution

Queries 1-5 Written by Yashi.

6-10 by Yashaswini.

11-15 by Vandana.

Assigning privileges to multiple users was done over a google meet call together.