## **DBMS**

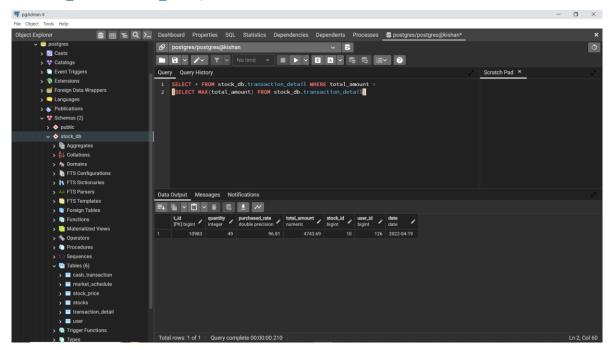
# **ASSIGNMENT 2**

Name: Kishan R Vaghamashi Student

ID: 202312014

#### Display record for the maximum total amount in transaction

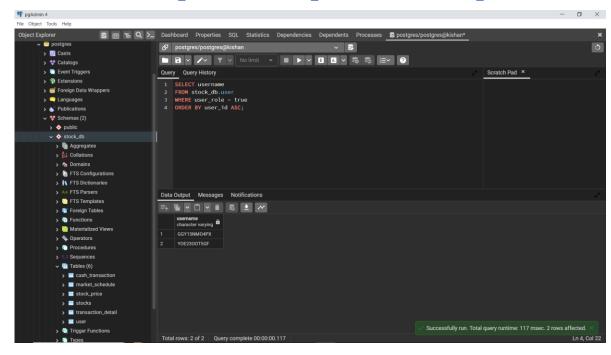
SELECT \* FROM stock\_db:transaction\_detail WHERE total\_amount = (SELECT MAX(total\_amount) FROM stock\_db:transaction\_detail)



1.

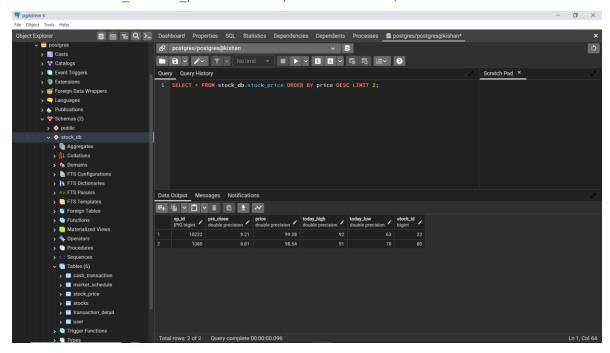
2. Find the username of the user in ascending order of user id for admin

SELECT Username FROM stock\_db.user WHERE user\_role = true ORDER BY user\_id ASC;



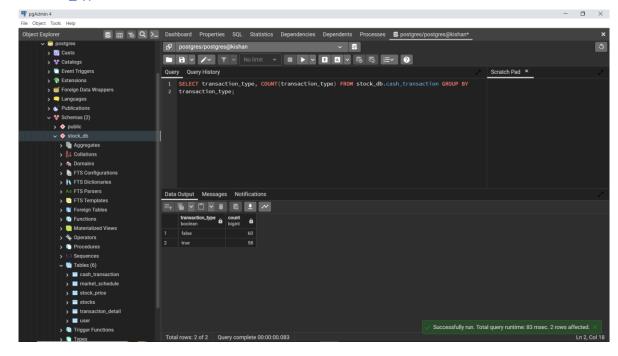
Select details of the top 2 highest stock prices from stocks

SELECT \* FROM stock-db.stock-price ORDER BY price DESC LIMIT 2;



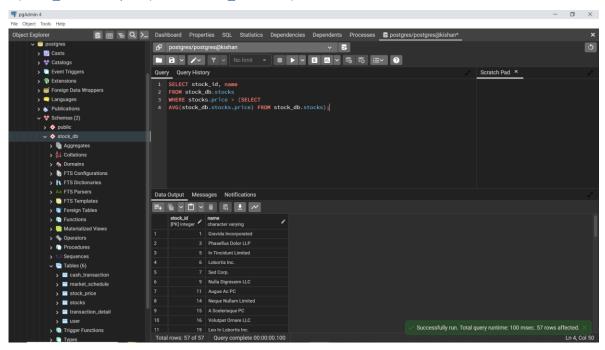
#### 4. Print count of different types of cash transactions

SELECT transaction\_type; count(transaction\_type) FROM stock\_db.cash\_transaction GROUP BY transaction\_type;



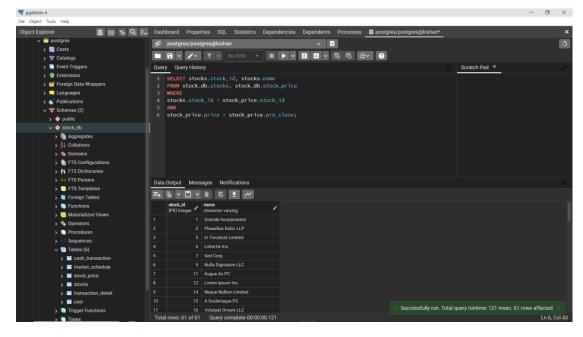
#### Print stock id and name whose price exceeds the average price value

SELECT stock\_id, name FROM stock\_db.stocks WHERE stocks.price > (SELECT AVG(stock\_db.stocks.price) FROM stock\_db.stocks);



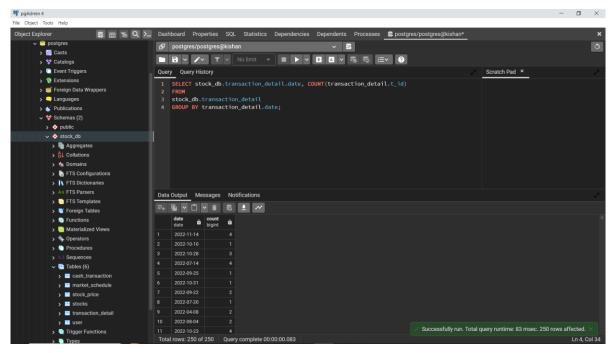
6. Find stock names and ids whose price exceeds the previous close

SELECT stocks.stock\_id; stocks.name FROM stock\_db.stocks; stock\_db.stock\_price WHERE stocks.stock\_id = stock\_price.stock\_id AND stock\_price.price > stock\_price.pr



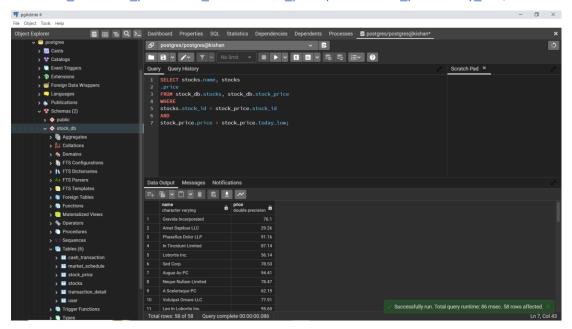
#### Find the total quantity of stocks date-wise whose transaction is done on a particular date

SELECT stock\_db.transaction\_detail.date, COUNT(transaction\_detail.t\_id) FROM stock\_db.transaction\_detail GROUP BY transaction\_detail.date;



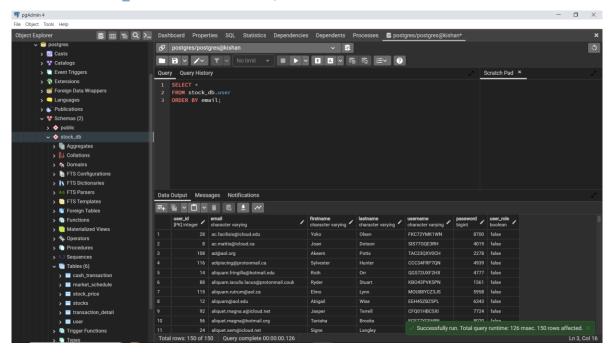
7.

8. Find stock name and price whose price is less than the average price of today\_low SELECT stocks:name, stocks:price FROM stock\_db.stocks, stock\_db.stock\_price WHERE stocks.stock\_id = stock\_price.stock\_id AND stock\_price.price > stock\_price.today\_low;



Show table of users sorted email-wise

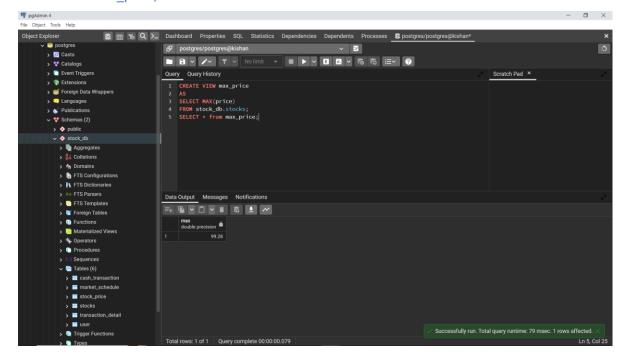
SELECT \* FROM stock-db.user ORDER BY email;



#### 10. create a view of maximum price

CREATE VIEW max\_price AS SELECT MAX(price) FROM stock\_db.stocks;

### SELECT \* from max\_price;



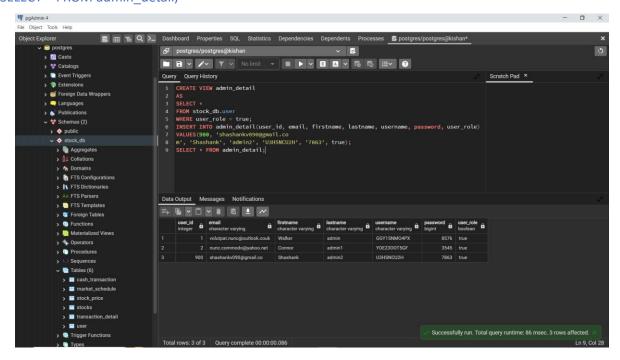
11. create a view for admin details, then insert and display some new admin to the recently created view.

CREATE VIEW admin\_detail AS SELECT \* FROM stock\_db.user WHERE user\_role = true;

INSERT INTO admin\_detail(user\_id; email, firstname, lastname, username, password; user\_role)

VALUES(900, 'shashankv090@gmail.com', 'Shashank', 'admin2', 'U3HSNCU2H', '7863', true);

SELECT \* FROM admin\_detail;



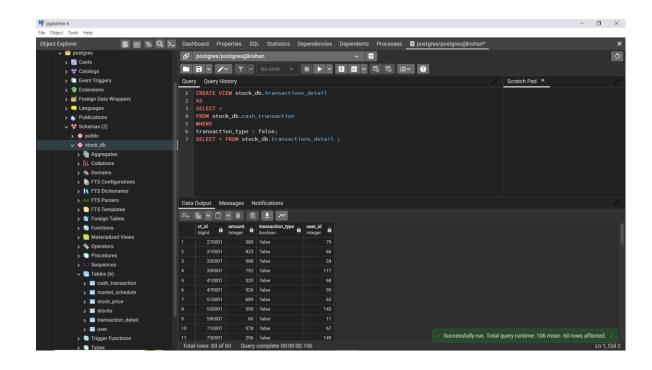
12. Create and display a view of all the details of transactions whose type is a debit (debit = false)

 $\label{eq:created} \mbox{CREATE VIEW stock\_db.transactions\_detail AS SELECT* FROM stock\_db.cash\_transaction} \mbox{\@where transaction\_type} \equiv \mbox{\@false;}$ 

SELECT \* FROM stock\_db.transactions\_detail;

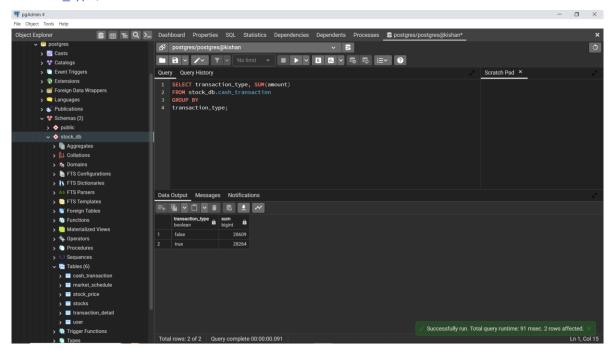
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REATE VIEW stock\_db.transactions\_detail AS SELECT \* FROM stock\_db.cash\_transaction



13. Display the sum of the total amount transaction-wise

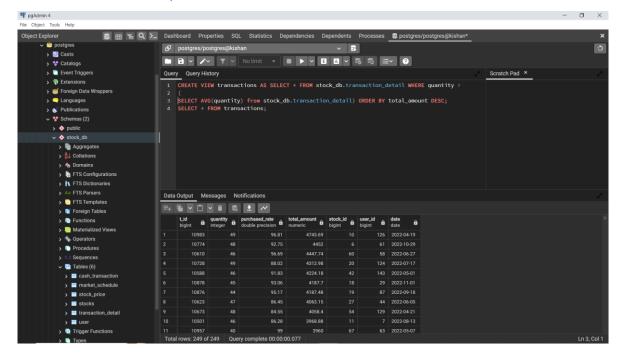
SELECT transaction\_type, SUM(amount) FROM stock\_db.cash\_transaction GROUP BY transaction\_type;



14. Create a view with transactions made whose quantity exceeds the average of all quantities in descending order of amount

CREATE VIEW transactions AS SELECT \* FROM stock\_db:transaction\_detail WHERE quantity > (SELECT AVG(quantity) from stock\_db:transaction\_detail) ORDER BY total\_amount DESC;

### SELECT \* FROM transactions;



#### 15. Display all the transaction details done on the holiday

SELECT \* FROM stock\_db:transaction\_detail INNER JOIN stock\_db:market\_schedule ON market\_schedule:is\_holiday = true AND market\_schedule:dates = stock\_db:transaction\_detail:date;

