Task 1: SET UP the privilege for shopan vaia on database so that he can access the database as well as can change in demand

* First of all, to set the privileges in which the database we want to share change the my.ini MySQL server configuration and set bind-address = 0.0.0.0 and port 3306
* For convenience create a new user which I intend to provide all the permissions on the database.
* Grant all the privileges to the specific database for the user
* Connecting phpMyAdmin to remote server

(check all that in the following link)

<https://www.devside.net/wamp-server/accessing-remote-databases-using-local-phpmyadmin>

Task 2: Solving the error ‘Can’t execute a MySQL stored procedure from java’ database is on remote server.

* After granting all the privileges to the desired user we have to write in SQL the query ‘FLUSH PRIVILEGES’
* Then add addition ‘? noAccessToProcedureBodies=true’ to the connection string in hibernate configuration file

For detail explanation check this link

<https://stackoverflow.com/questions/986628/cant-execute-a-mysql-stored-procedure-from-java>

Task 3: Portfolio Value, Cost price, current price calculation for each ticker

* To calculate the port folio value for each ticker, write a function which will map current price for each ticker
* Multiply each current price with number of share in the provided date
* Map each portfolio value with each ticker

Task 4: cost price calculation

* Write a query to get all the portfolio data for specific ticker within provided range.
* Create a method with set arguments of the portfolio data list for the corresponding ticker
* Maintain a flag to keep track of the weighted average of BUY and SELL sign.
* If flag value is 1 then mean after getting a sell row it will deduct the sum quantity from that day and set the flag value 0 to 1.
* In next until the sign BUY came it will remain the same
* If sign value is BUY then it will have calculated as the (cumulative sum \*last cost price + certain row quantity \*cost price of that day)
* For successive BUY sign cost price = weighted avg / sum of quantity.
* Return the cost price after completing the execution of the function.