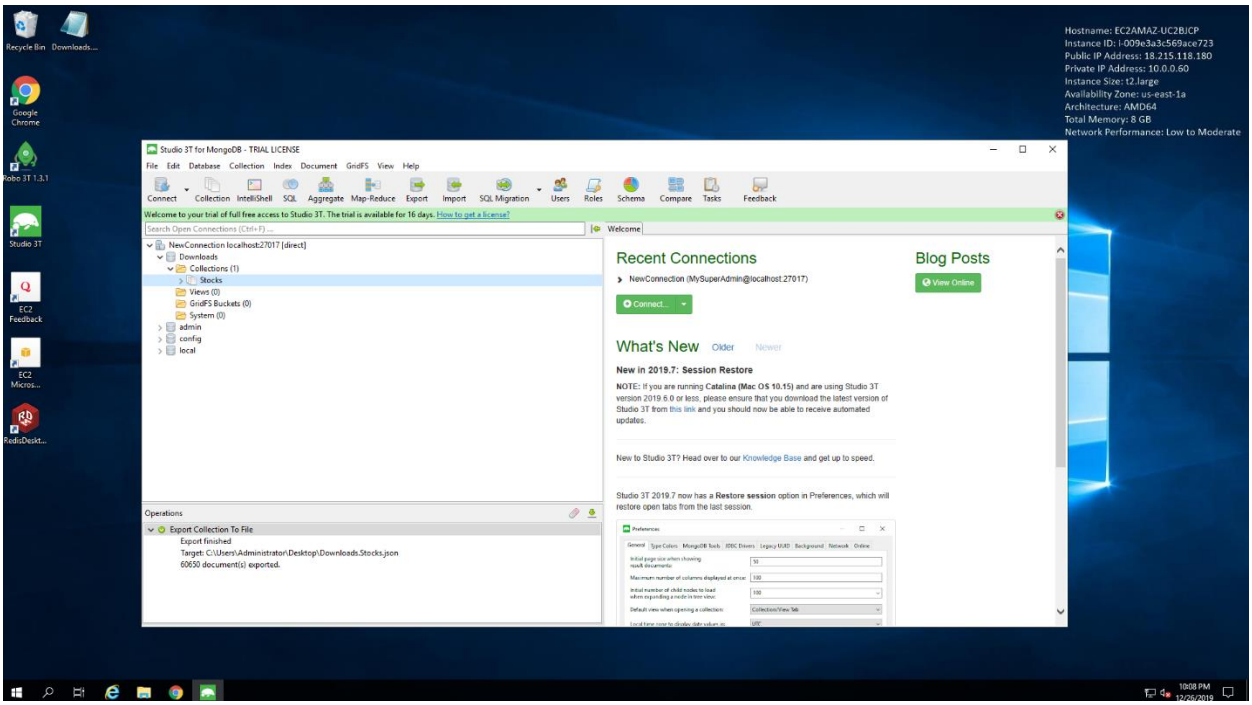
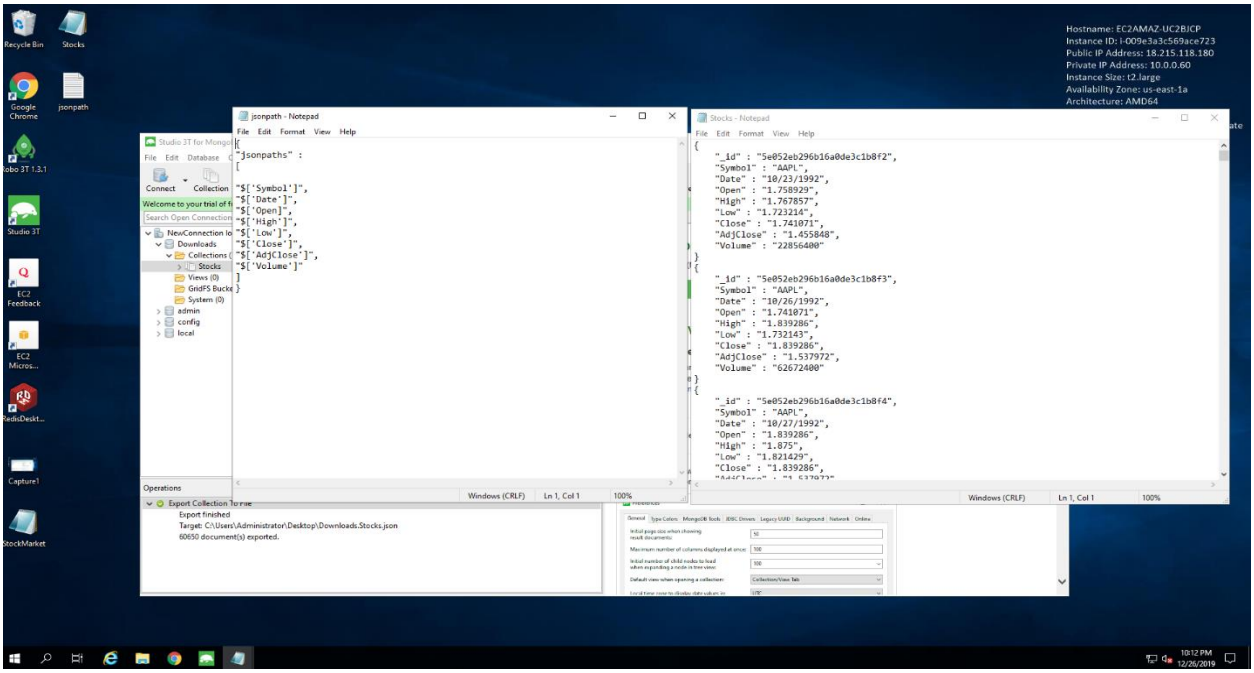
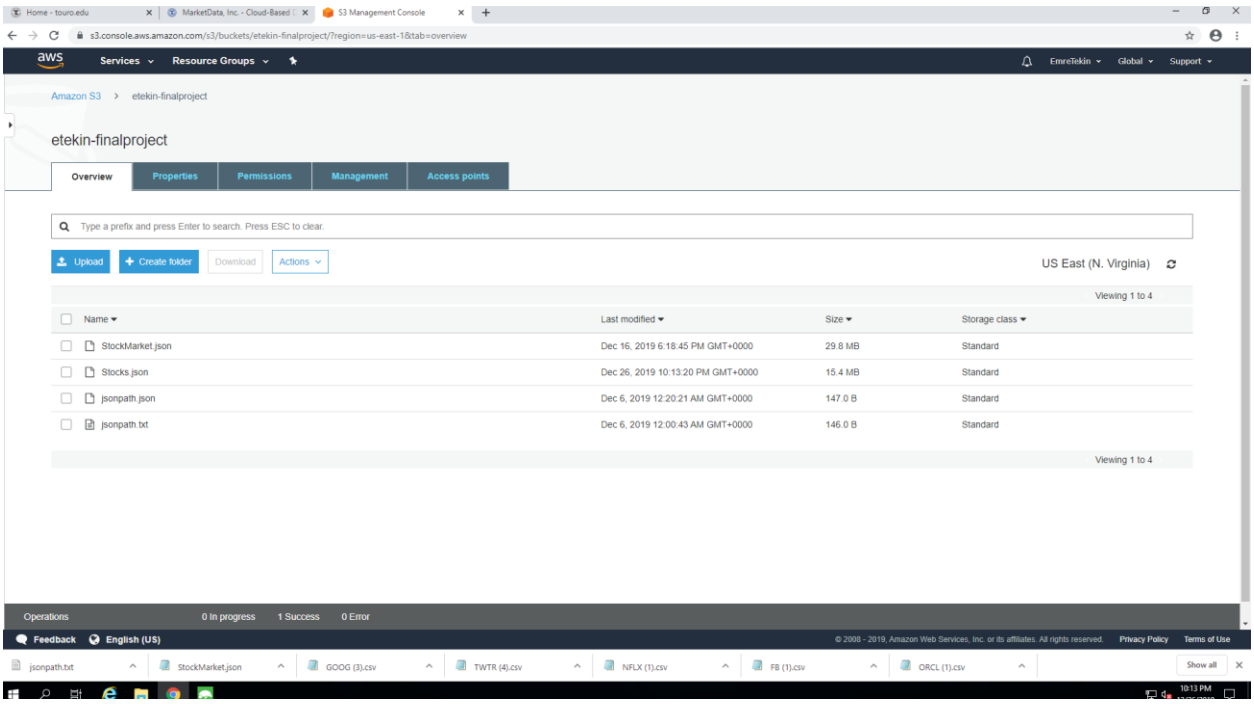


I have imported csv files into mongo db.

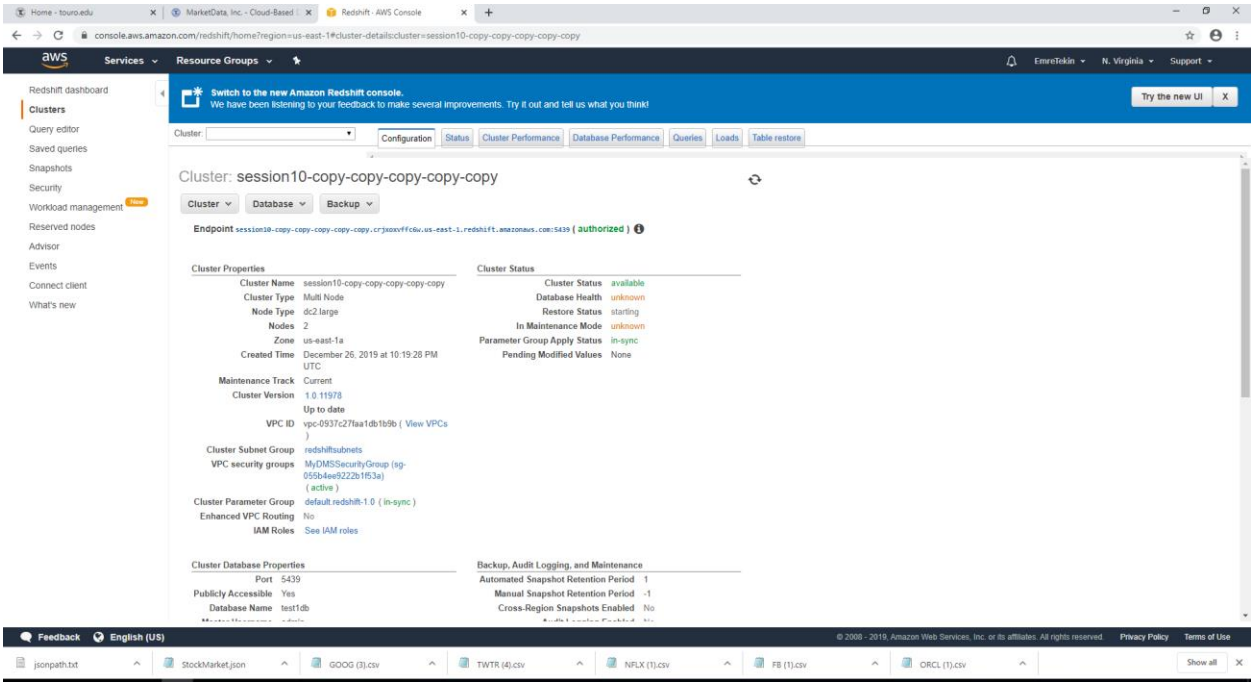


I have exported as json and edited them.

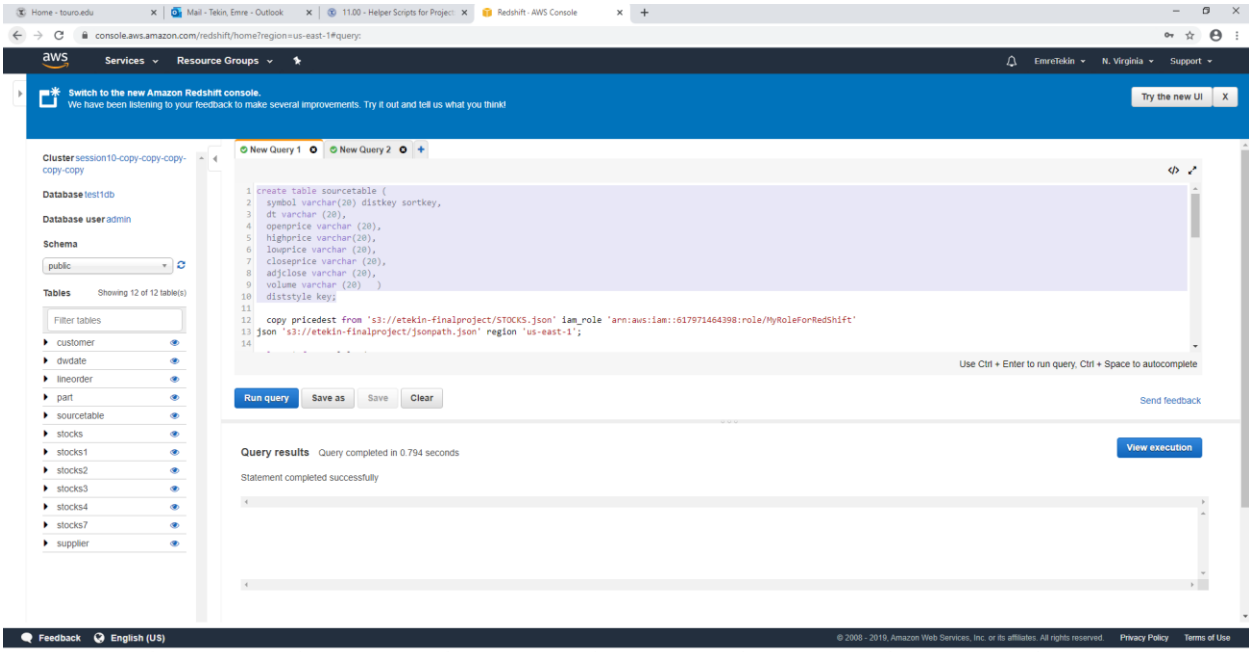
I have also created my json path file.

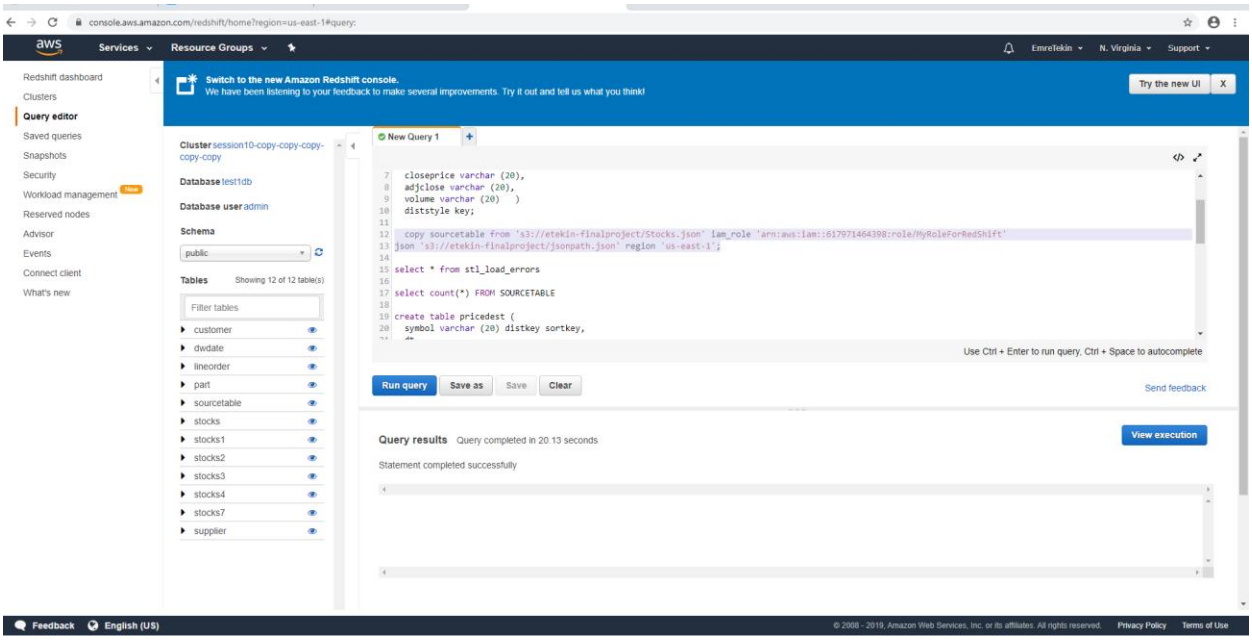


I have uploaded them into my S3 Bucket.

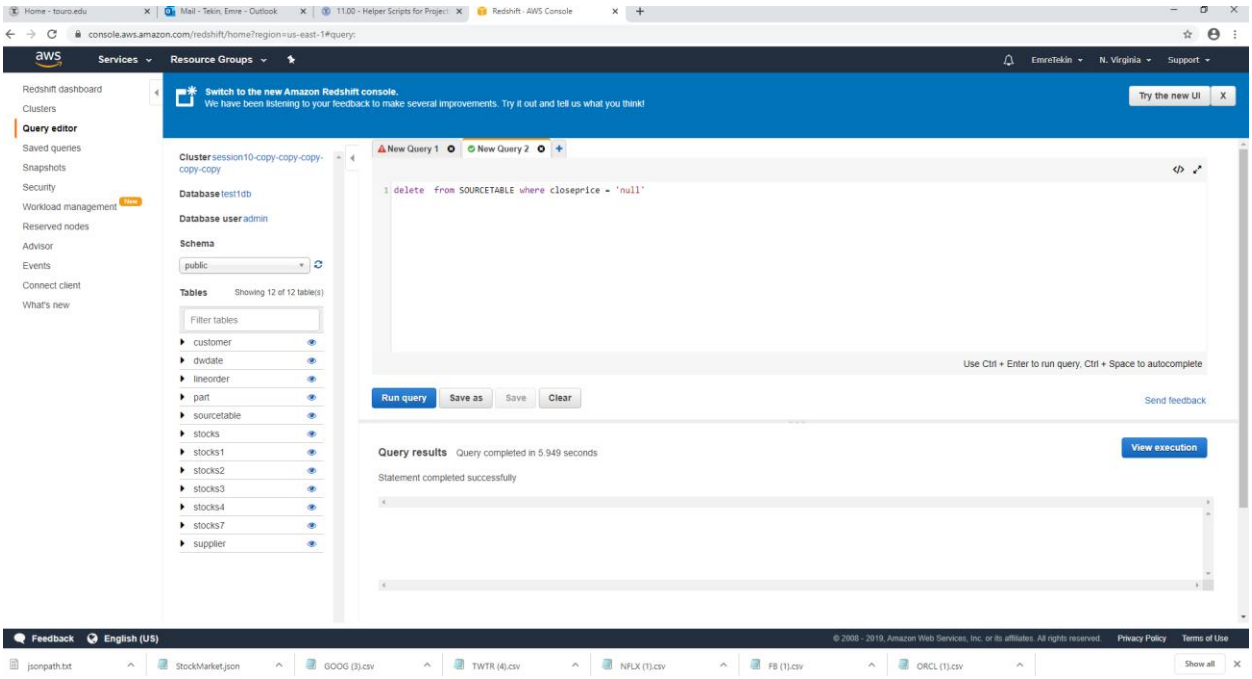


I have created my redshift cluster.

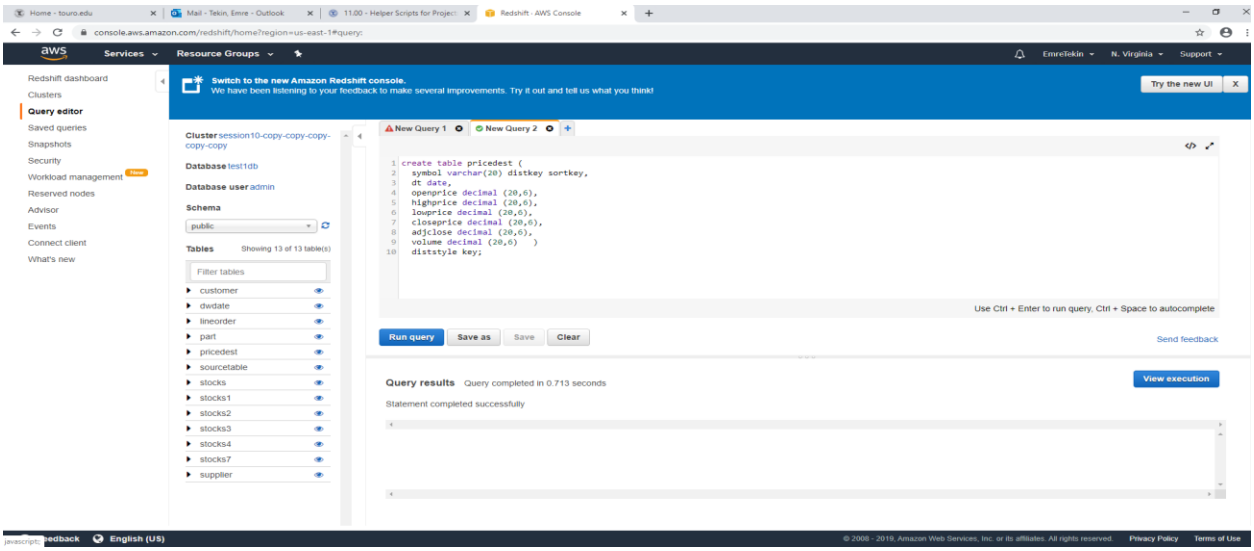




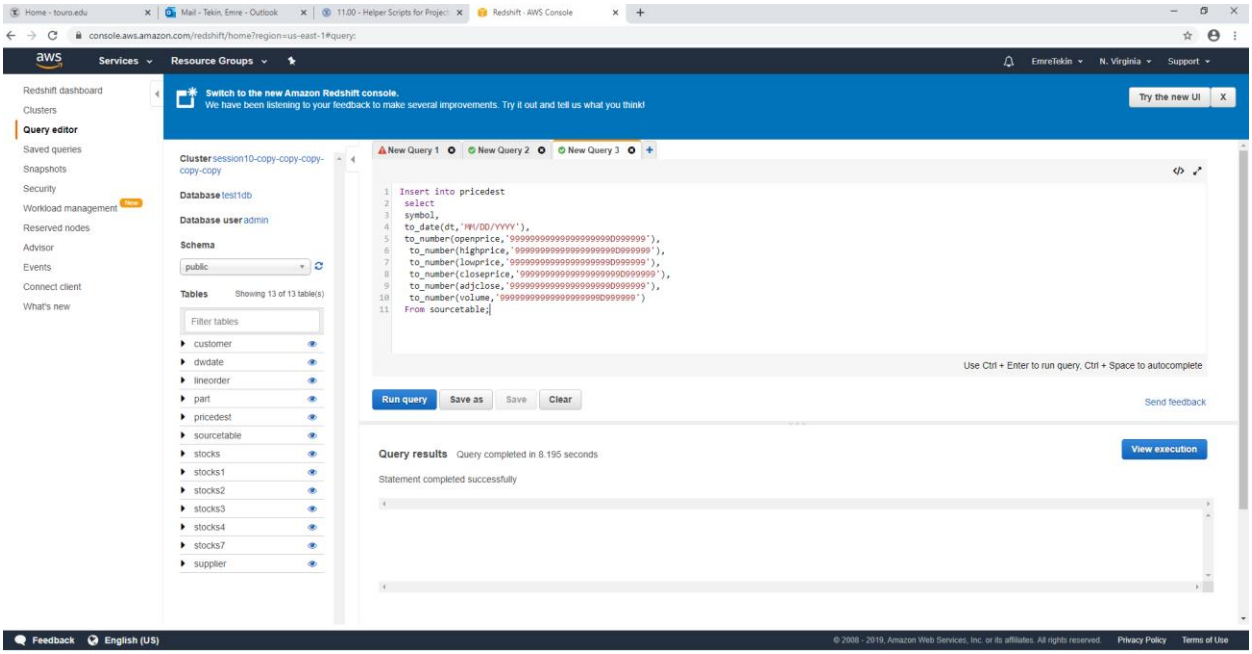
I have created my source table and copied data from s3 to redshift.



I have cleaned my data by cleaning null values.

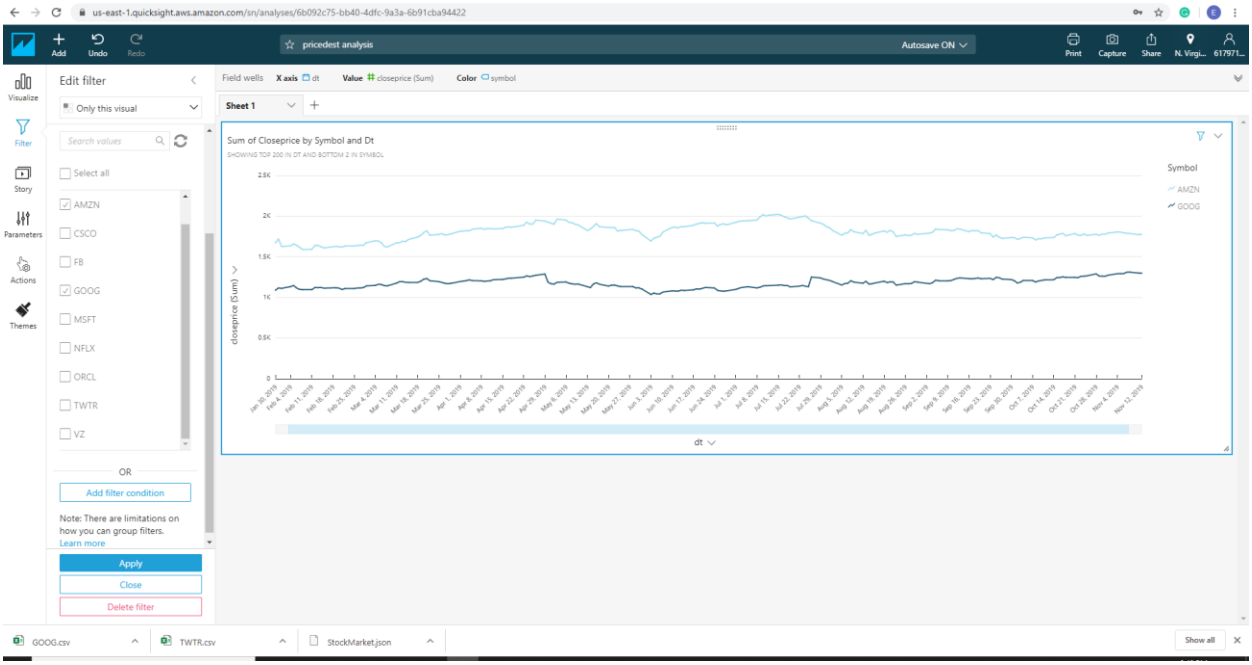


I have created my “pricedest” table.

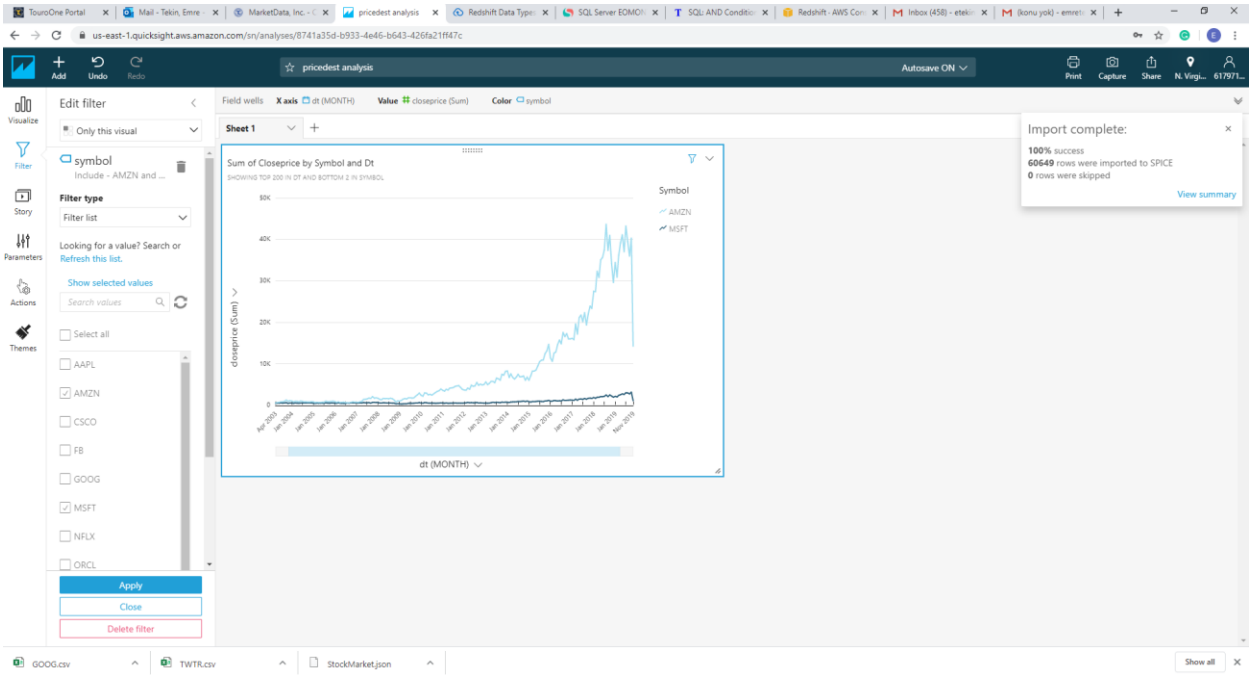


I have inserted data into “pricedest” from “sourcetable” with new data types.

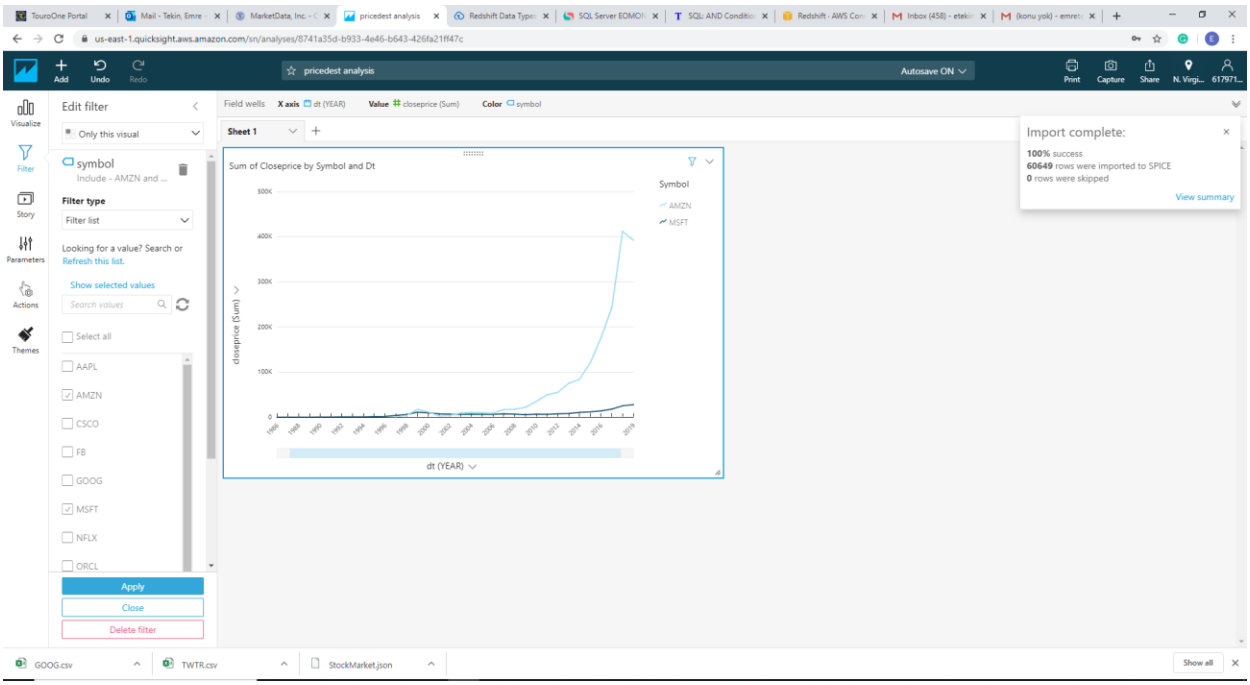
PRICE COMPARISION BETWEEN MICROSOFT AND AMAZON



After I connected my redshift cluster to Quicksight, I imported 'pricedest' table to visualize price comparison charts. This chart shows daily price comparison between amazon and Microsoft.

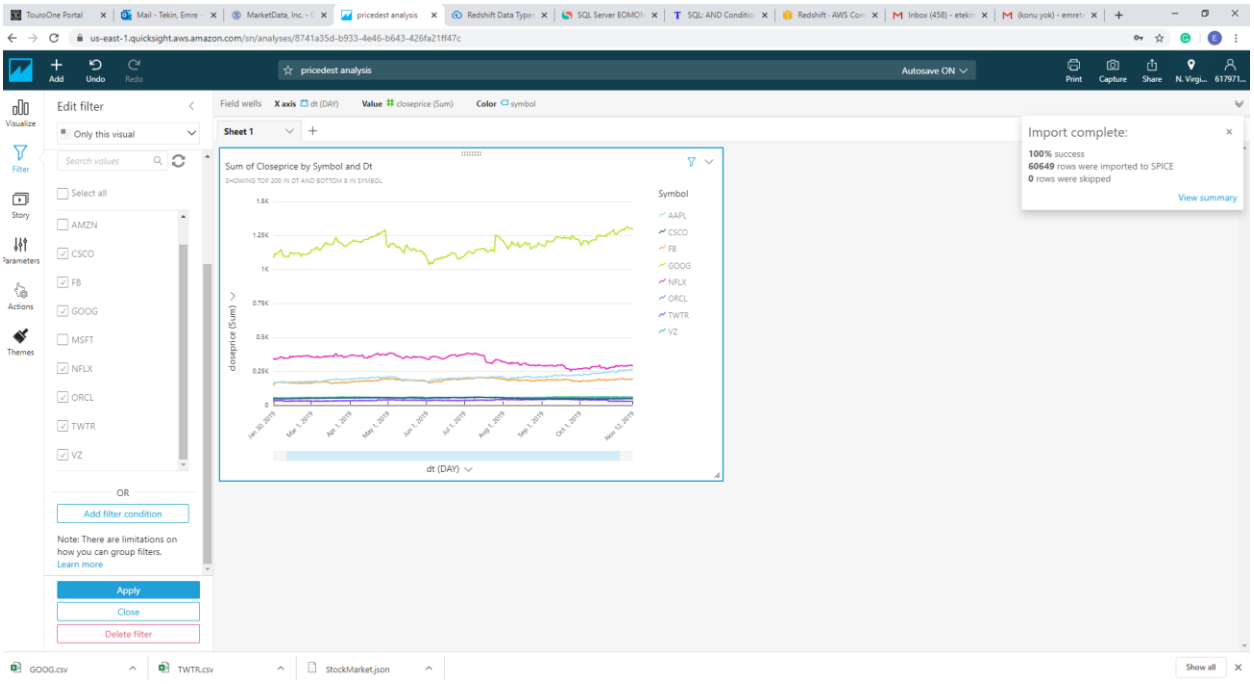


This chart shows by month.

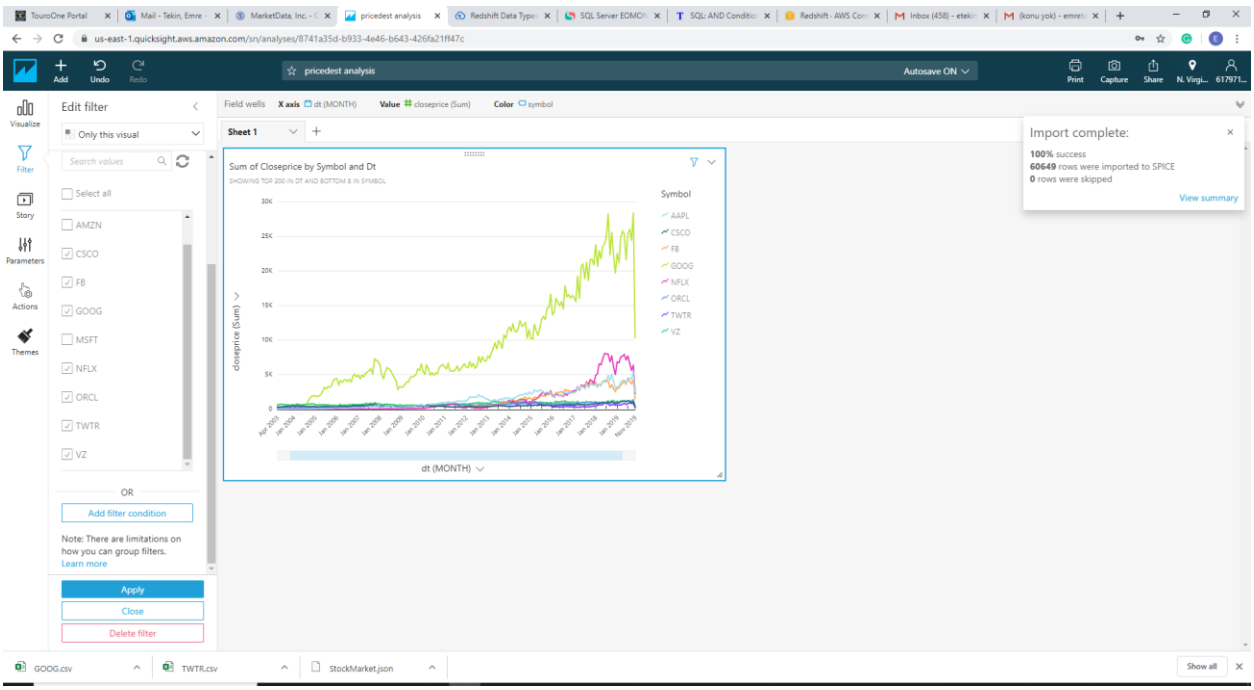


And, this chart shows by year.

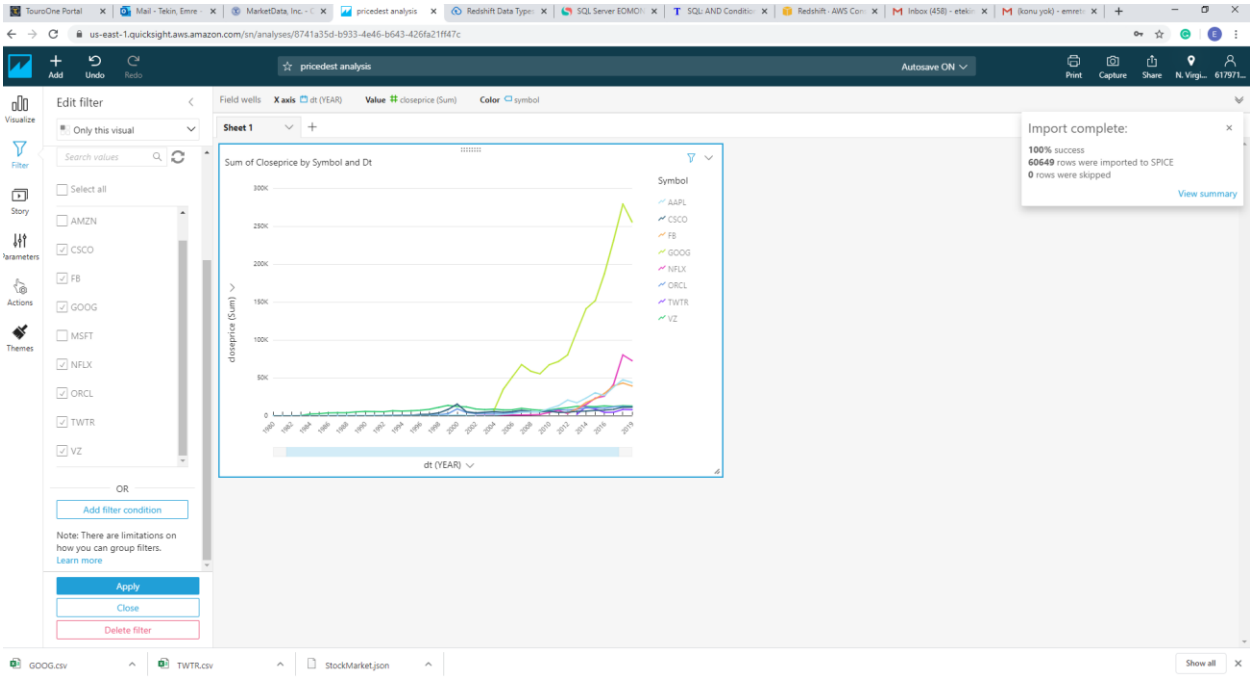
PRICE COMPARISION BETWEEEN REST OF THE SYMBOLS



By Day,

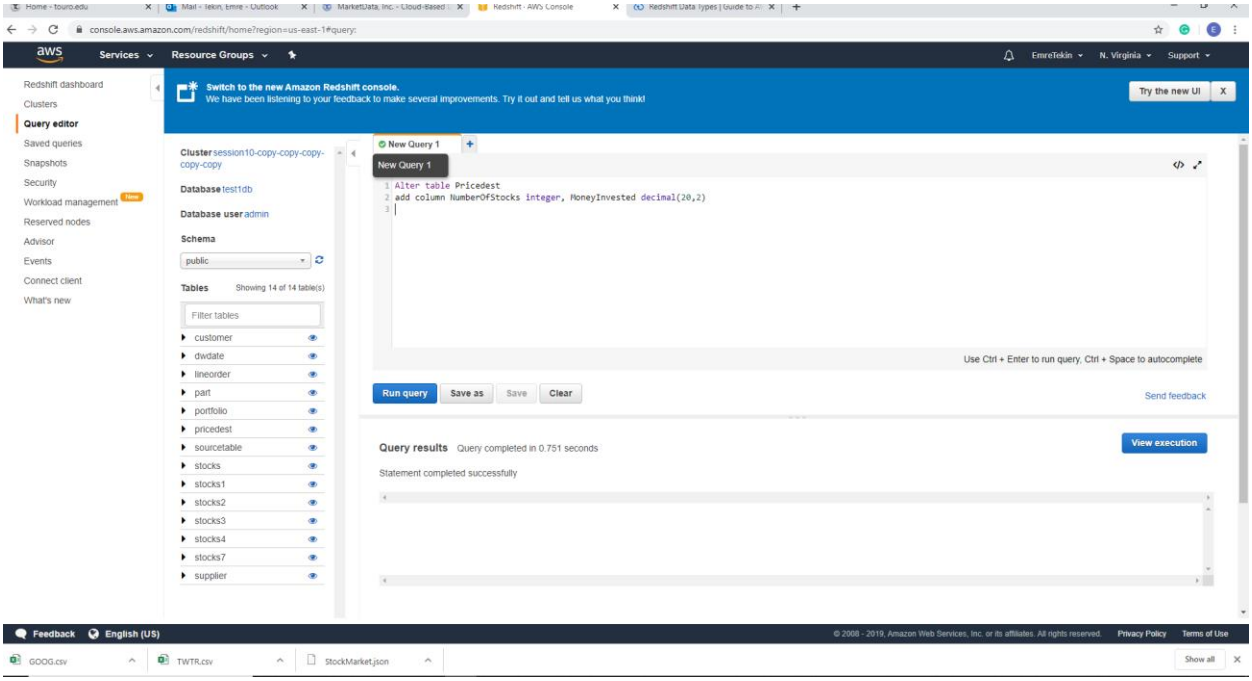


By Month,

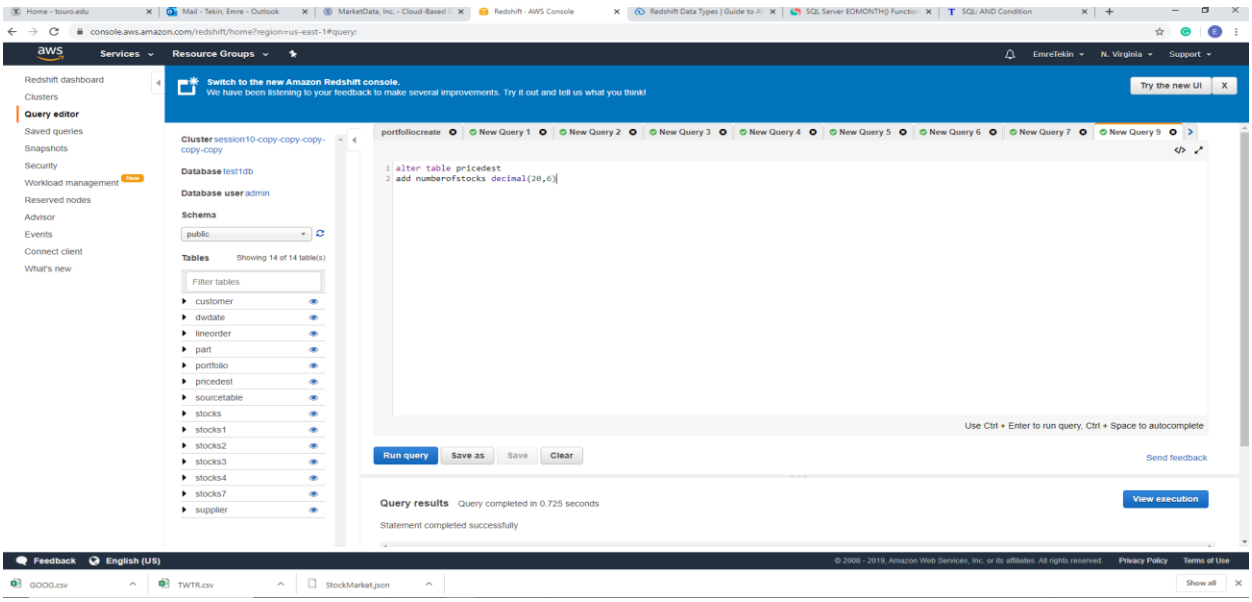

pricedest analysis
Edit filter
Only this visual
Search values
Select all
AMZN
CSCO
FB
GOOG
MSFT
NFLX
ORCL
TWTR
VZ
OR
Add filter condition
Note: There are limitations on how you can group filters.
Learn more
Apply
Close
Delete filter
Sheet 1
Sum of Closeprice by Symbol and Dt
closeprice (Sum)
dt (YEAR)
Symbol
AAPL
CSCO
FB
GOOG
NFLX
ORCL
TWTR
VZ
Import complete:
100% success
60649 rows were imported to SPICE
0 rows were skipped
View summary
GOOG.csv
TWTR.csv
StockMarket.json
Show all

By year.

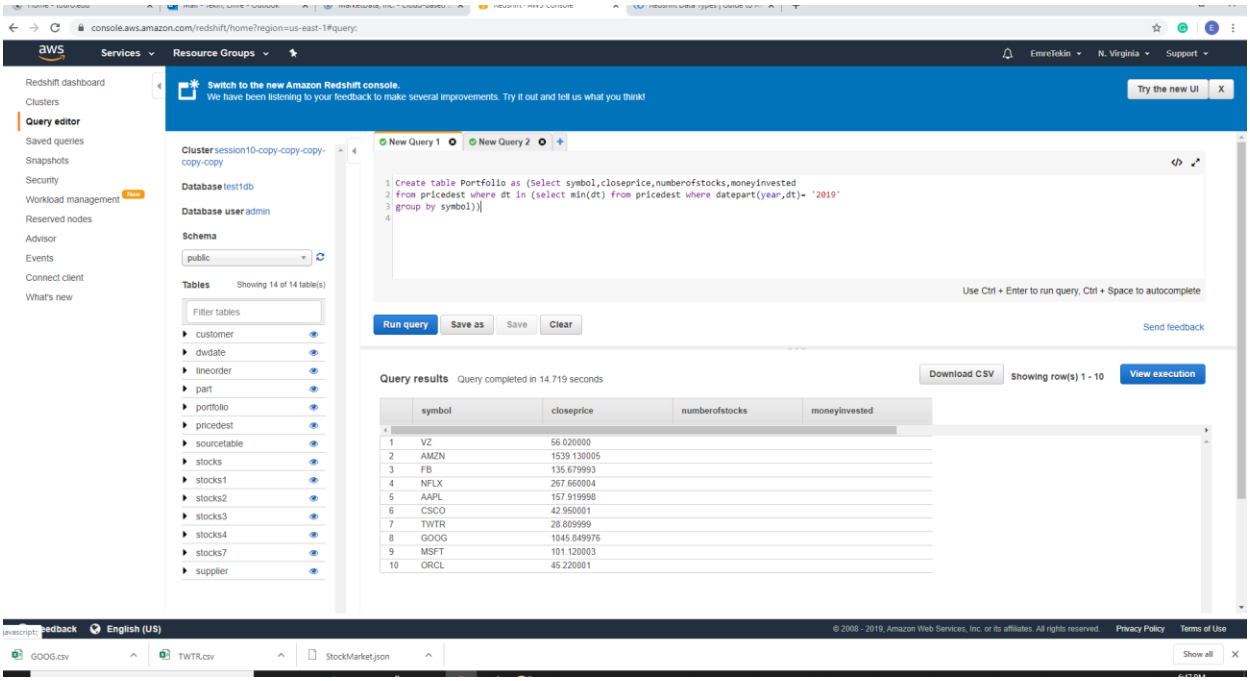
PORTFOLIO CALCULATION FOR 2019



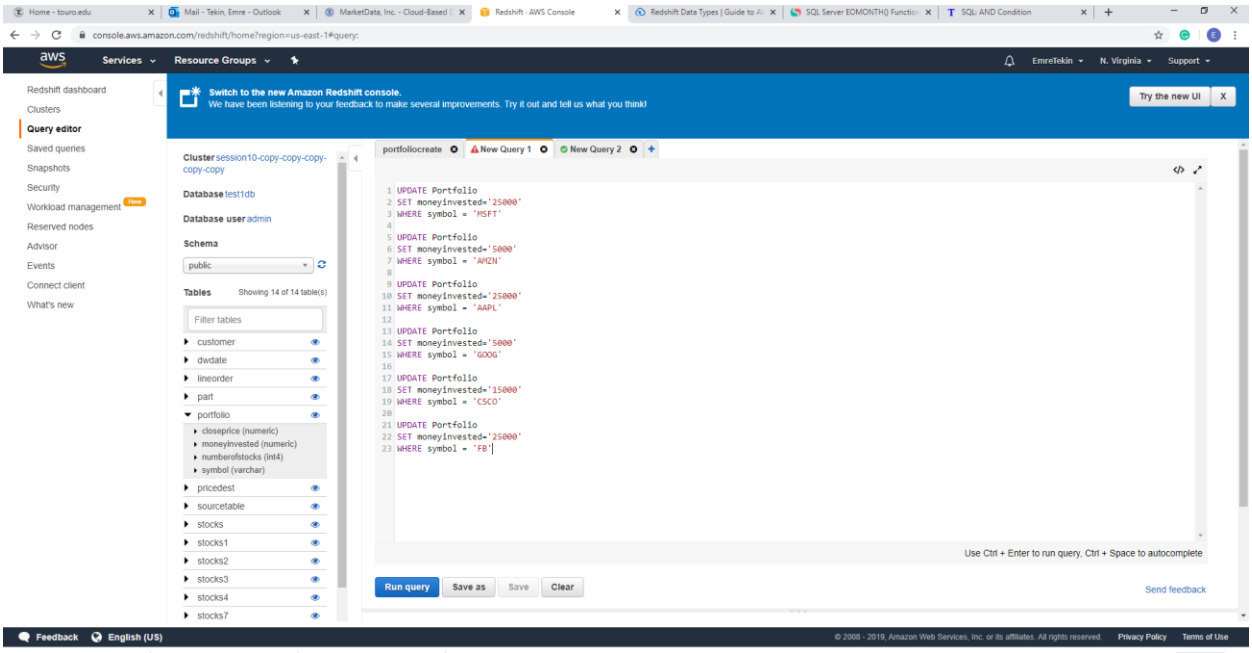
I have added “numberofstocks” and “moneyinvested” columns for the next steps



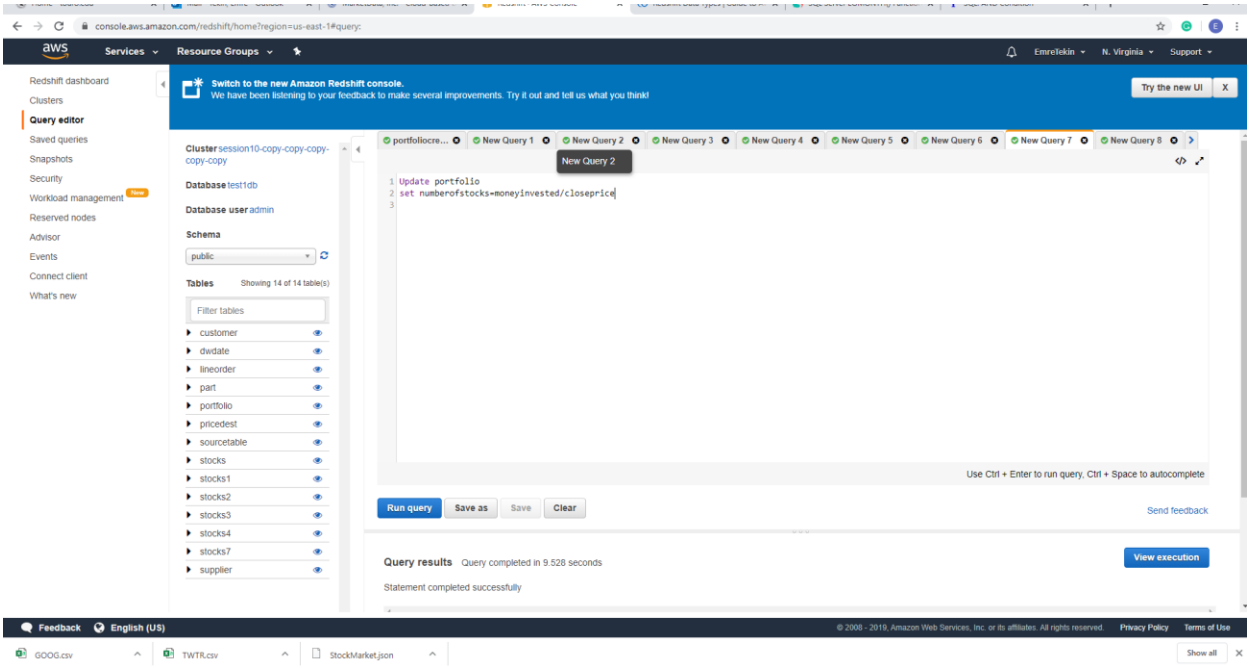
I have dropped “numberofstocks” field and add it again as a decimal.



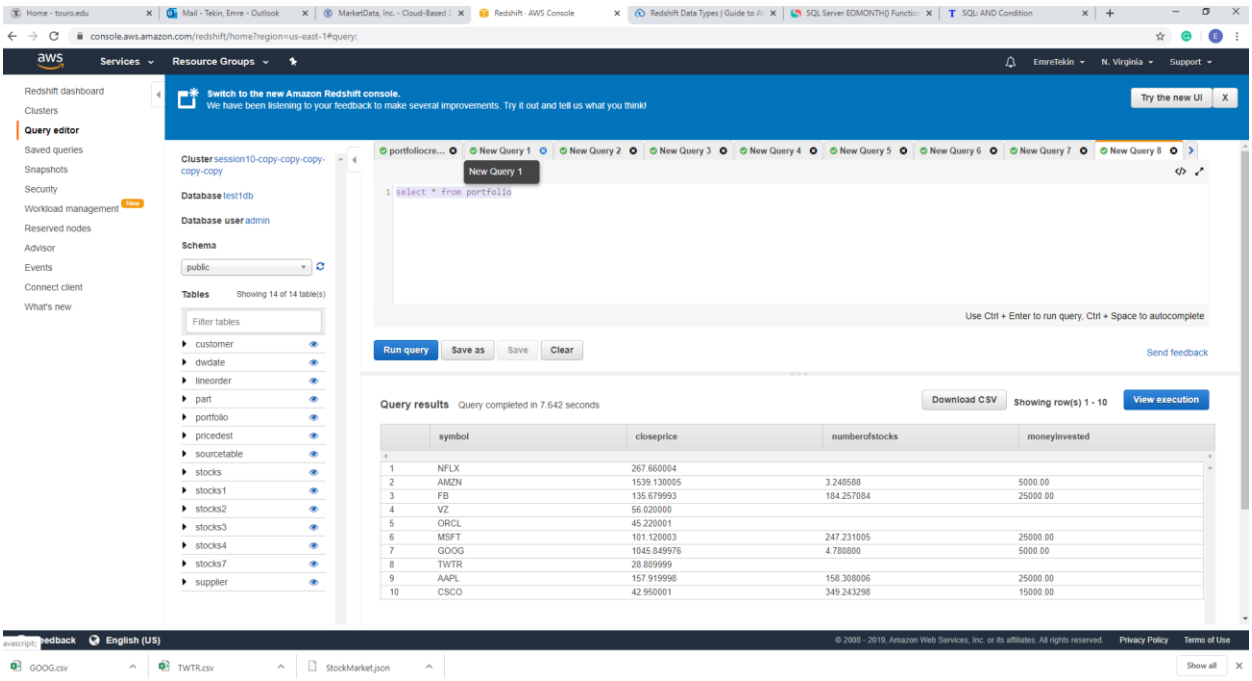
I have created new portfolio table which is going to give me the close prices of each symbol and for the first day of 2019



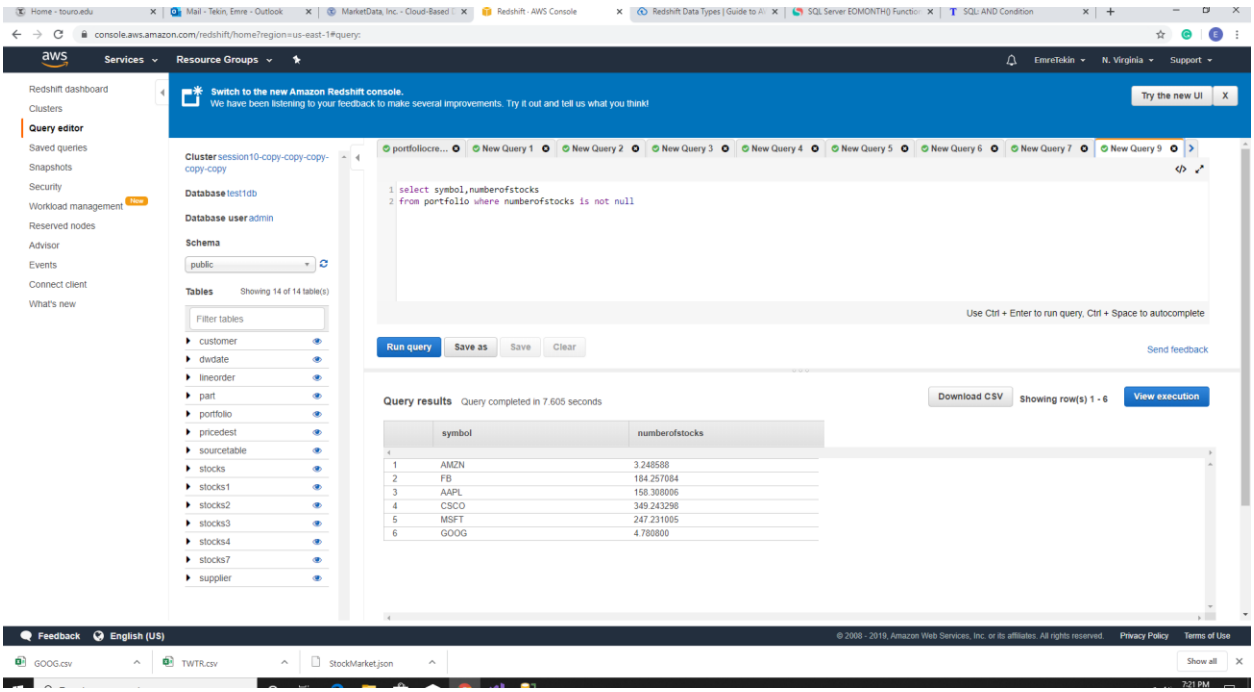
I have calculated percentages of 100000 dollars, and I have updated “moneyinvested” field for each symbol in portfolio table.

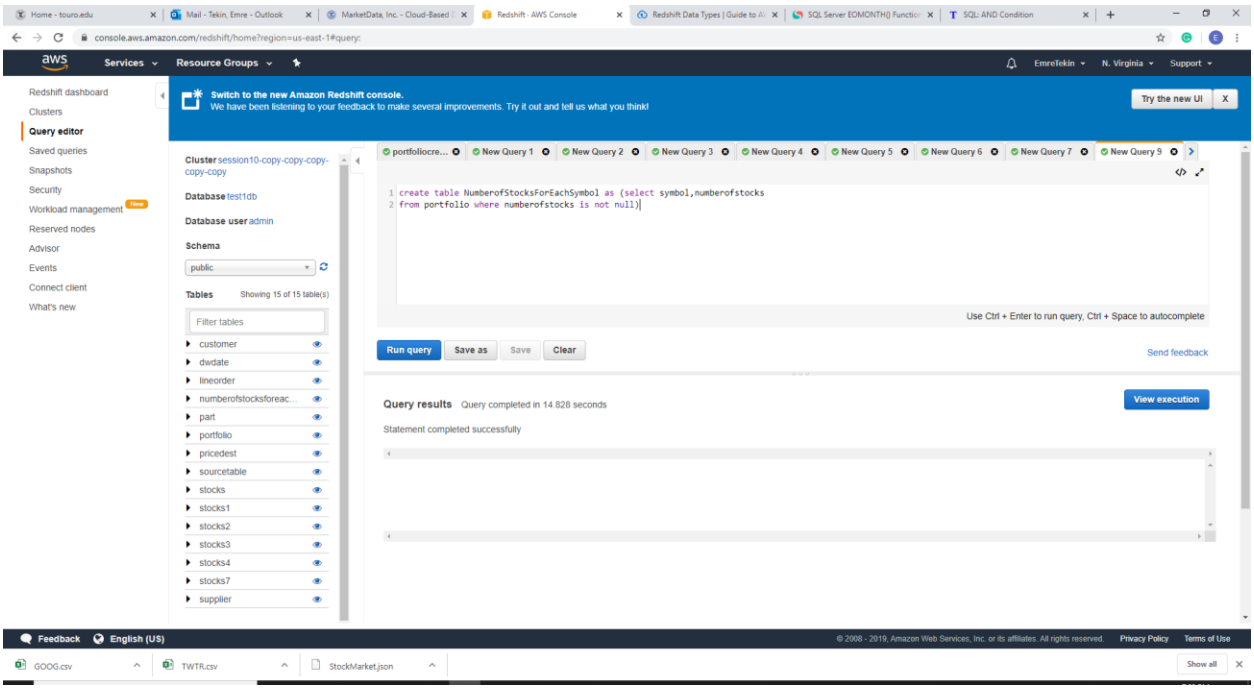


I have updated “numberofstocks” field as calculated field (moneyinvested/closeprice=numberofstocks)

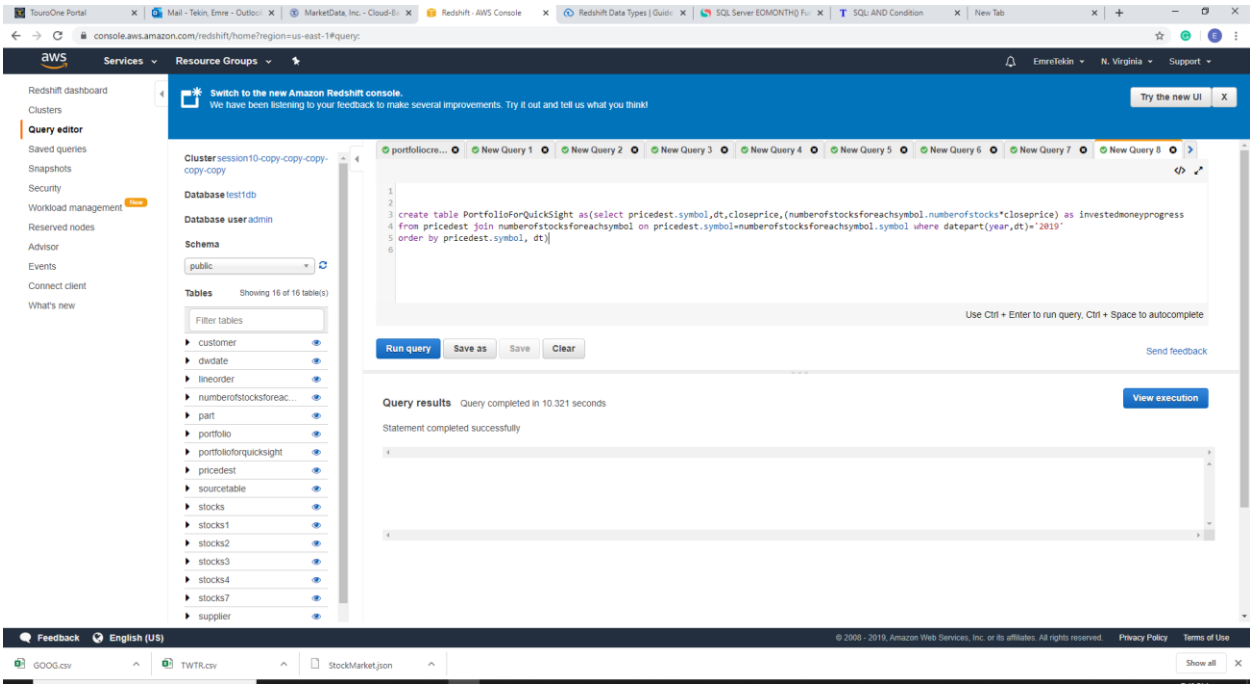


In the end my table gave me the number of stocks which is bought by investor at January 1, 2019 for each symbol.

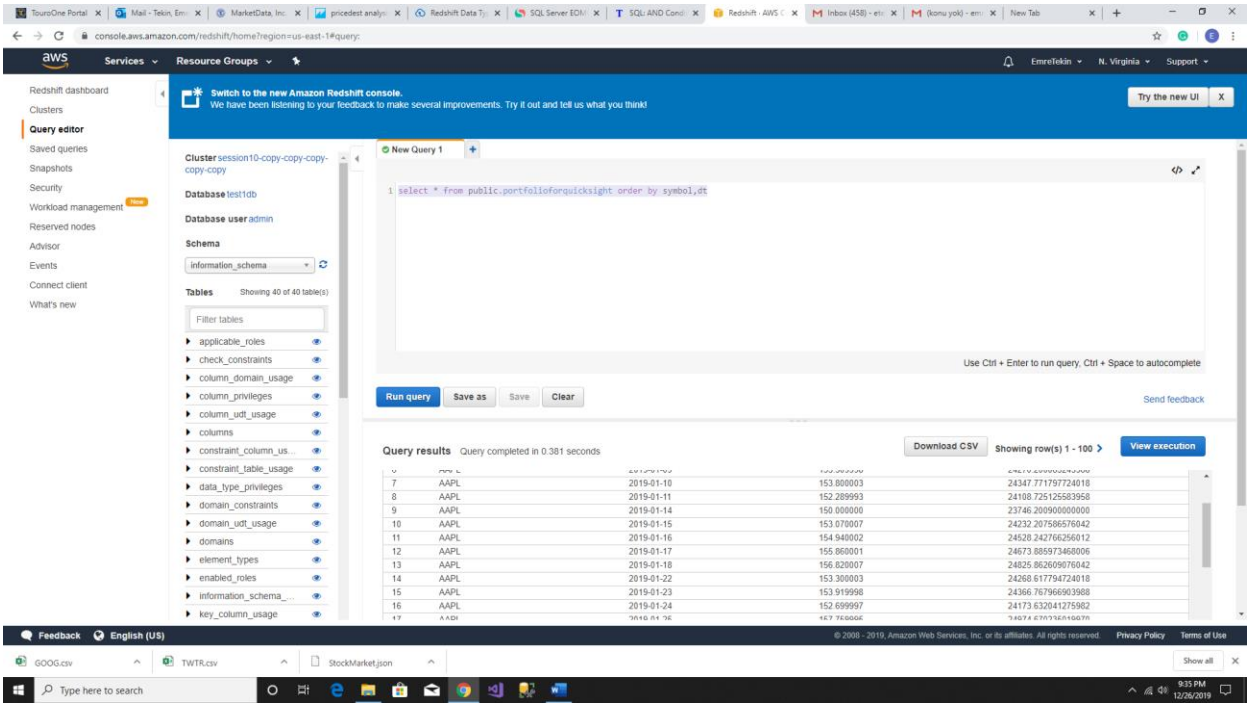




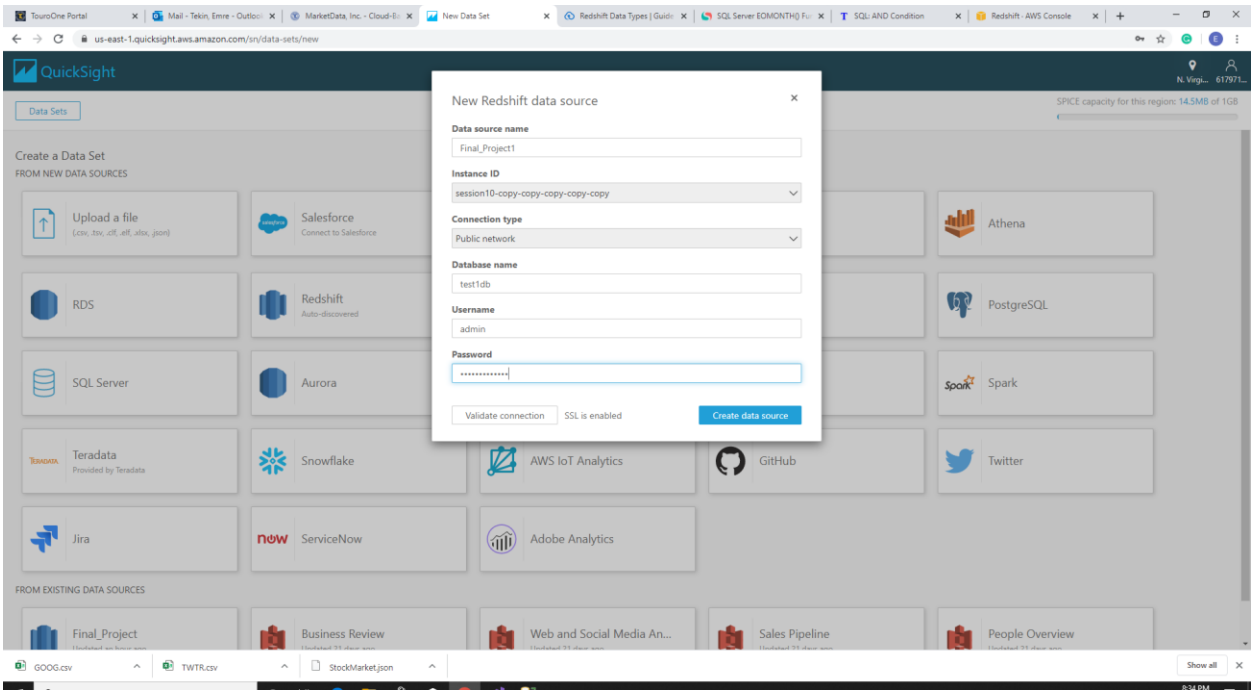
I have created new table named" NumberofstocksForEachSymbol" and I had only two fields in this table which gives me the number of stocks which is bought by investor at January 1 2019 for each symbol.



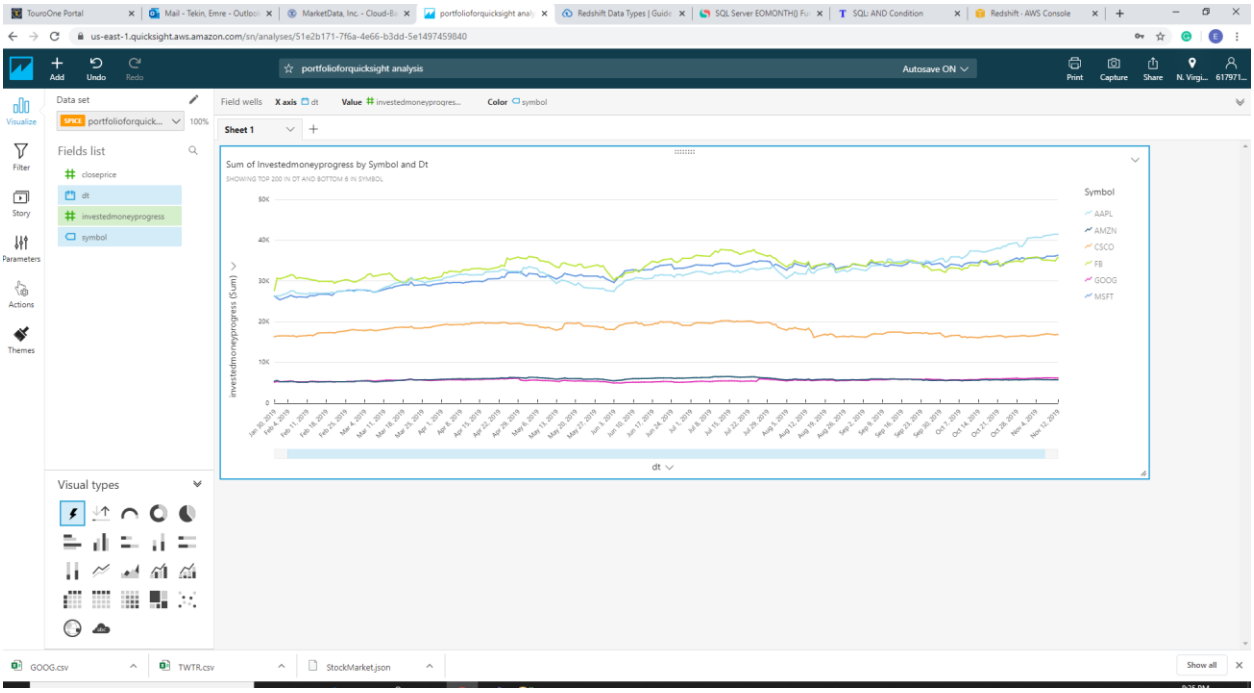
Finally I have created my last table which is "PorfolioForQuickSight" by joining "pricedest" and "NumberofstocksForEachSymbol" tables. I have created new calculated field in this table by multiplying "numberofstocks" and "closeprice" fields to get updated invested money information for each day.



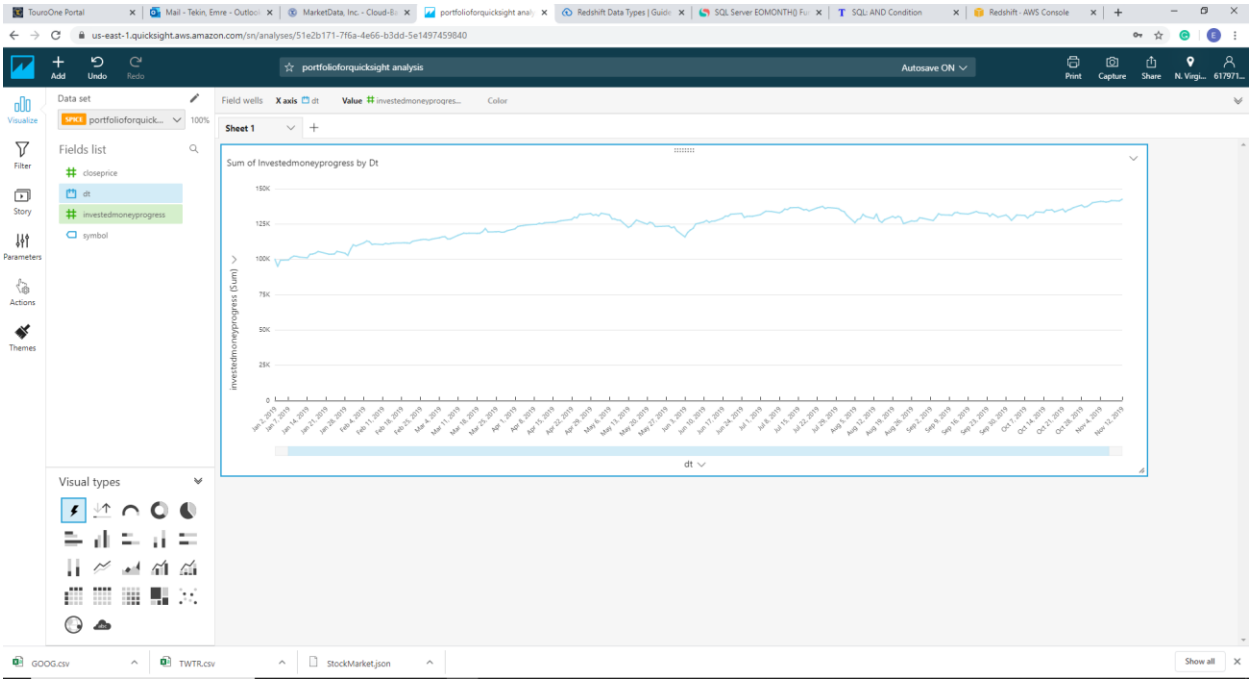
The table has records for close prices of each symbol for each day of 2019 and invested money field gets updates every day.



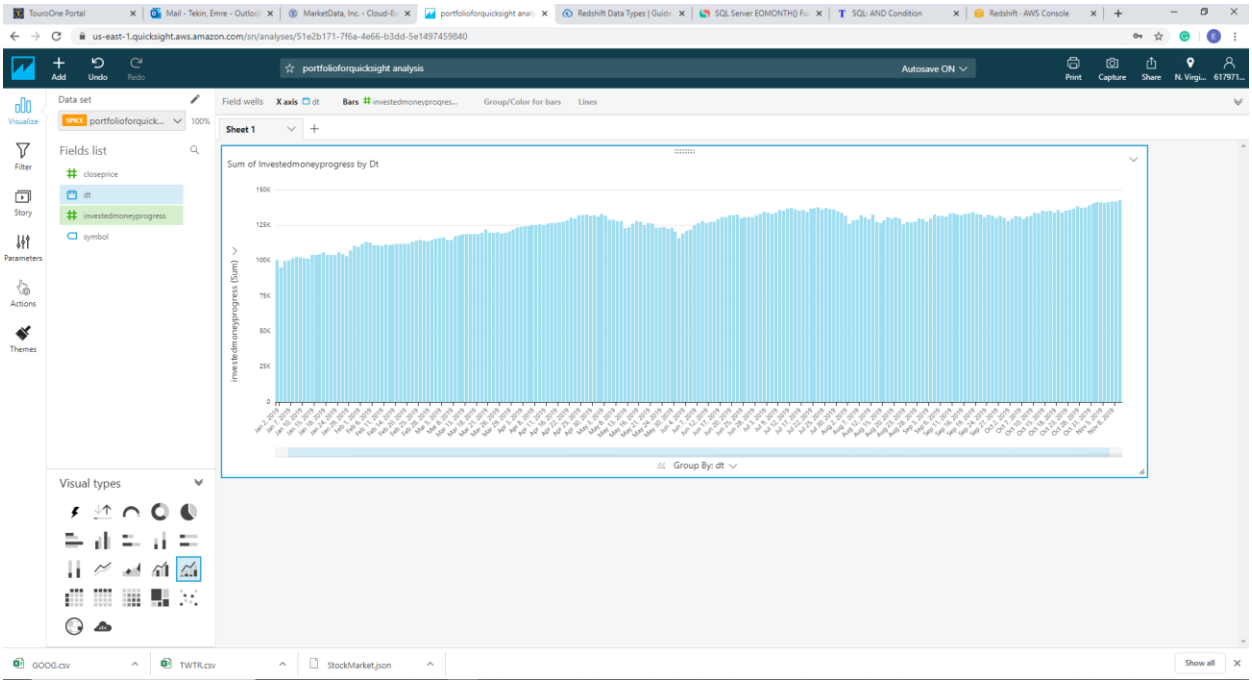
I have connected my redshift cluster to Quicksight.



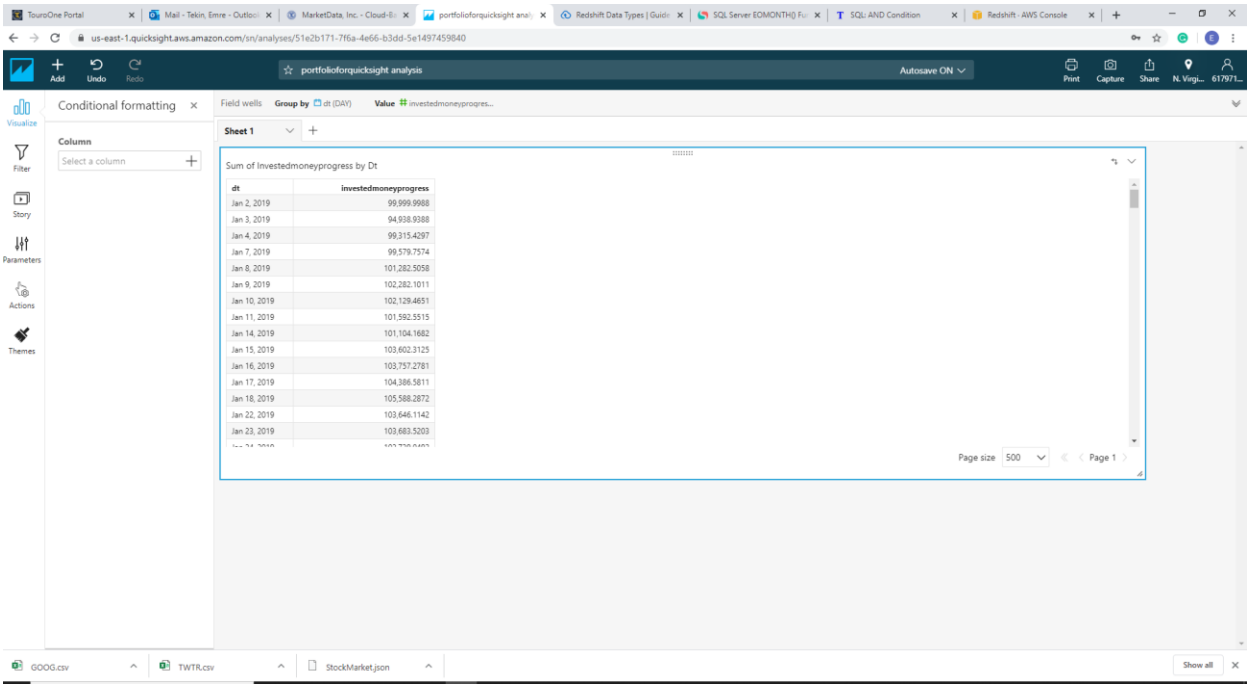
This chart shows portfolio change for each symbol during 2019.

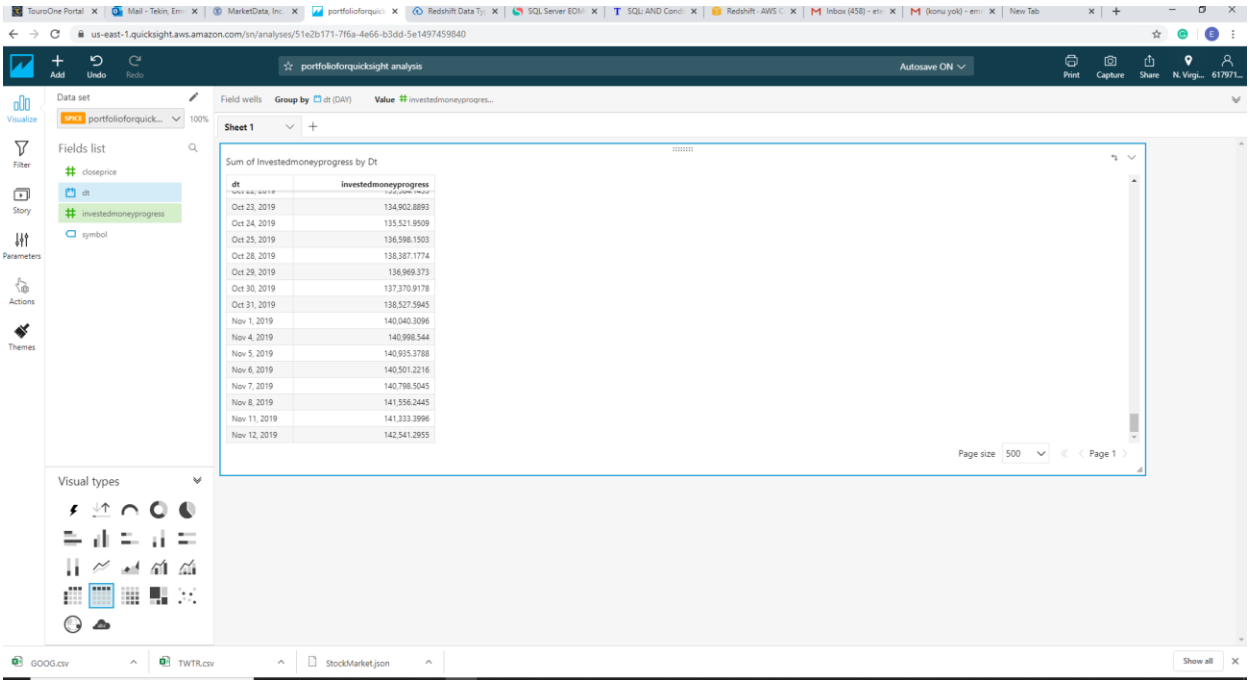


When we remove symbol from color tab, it shows total investment change for all companies during 2019.



Another type of chart for same information.





Head of the table and the tail of the table.