

Key Takeaways from Assignment:

- From the first part I learnt, how to import CSV files into MySQL Workbench and create a table from another table. I learnt the concept of moving average and calculated 20 Day and 50-day moving average respectively for each of the stocks.
- From the second part, I learnt how to implement joins in tables. I tried out different joins to create the master table and finally used left join to create table with column header corresponding to closing price of the stock.
- From the third part, I learnt how to generate buy and sell signal from the moving averages. More importantly, I learnt the significance of crossing over of moving averages in generating the trade signal.
- From the fourth part, I learnt the usage of user-defined functions. Also, how functions can be incorporated to increase the modularity of the database.

Inferences:

- The moving average (MA) is used to analyze data points by constantly updating the series of averages of different subsets of the full data set. Moving averages are great statistical tools that help traders in buying and selling of stocks.
- From the analysis of the various stocks and performing operations on them, we can see that crossing over of short-term and long-term moving average is an important factor in deciding trade signal as 'Sell', 'Buy' or 'Hold'.