This assignment is about the stock market dataset of the following companies: -
1. Bajaj auto
2. Hero
3. Eicher motors
4. TVS Motors
5. Infosys
6. TCS

These companies' dataset contains 3 years of information about open price, close price, number of shares etc. Our task is to do an analysis of these datasets and give inferences from the results.

From 1st task, we learn the concept of moving averages and calculated the moving average on close price for all companies.

From the 2nd task, we created the master stock table with the date and close price for all companies. Which results in the better insight of data in one place.

From the 3rd task, we get the date from each company on which whether to buy, sell or hold the stock using the concept of moving average which used in the 1st task.

From the 4th task, we learn the concept of a user-defined function and makes a function for Bajaj auto to return whether to buy, sell or hold stock on a particular date.

This assignment is very helpful to clear the concepts of SQL query and also how SQL is used in the real world.