The final output that was expected out of this assignment was to generate Buy/Sell/Hold signal by inputting the stock table name and the date for which signal is desired.

As part of User Defined Function code, we generated Buy/Sell/Hold signal for Bajaj Stock for a date. Similarly, we can generate the signal for all the stocks, as we did for Bajaj Auto.

Now, Coming to Inferences that I drew from the analysis performed -:

1. The Buy/Sell/Hold signal has been generated using the Moving Average method.
2. We first stored closing price of each stock date wise in table (bajaj2 for Bajaj Auto Stock)
3. We then calculated Moving Average for the stock
4. Moving Average is a succession of averages derived from successive segments (typically of constant size and overlapping) of a series of values.
5. We calculated MA for 20 days (short term) and MA for 50 days (long term)
6. We generated signals based on the following method
   a. When short term average (20 days MA) is greater than long term average (50 days MA) then, it's a signal for BUY
   b. When short term average (20 days MA) is greater than long term average (50 days MA) then, it's a signal for SELL
   c. When the signal is neither BUY nor SELL then it's a signal for HOLD
7. By doing all the above steps, we were able to generate BUY/SELL/HOLD signal for any of the given six stocks at a given date.