Assignment - Stock Market Analysis

1. Table ‘bajaj1’ is created containing date, close price, 20 Day MA and 50 Day MA

along with the tables for all stocks.

1. Master Table containing Date and close price for all six stock is created.(Column header as name of the stock.)
2. Using table in part 1 signals for the stocks are created and stored in another table

‘bajaj2’. Similarly for all stocks, 2nd table has been created.

1. A User Defined function has been created that takes Date as input and returns Signal for that particular day (Buy/ Sell/Hold) for the Bajaj stock.

Moving Average- The Moving Average is a technical analysis tool that smooths out price data by creating a constantly updated average price. The average is taken over a specific period of time, like 10 days, 10 minutes, 3 weeks or any time period the trader chooses.

A moving average helps cut down the amount of ‘noise’ on a price chart. Look at the direction of the moving average to get a basic idea of which way the price is moving. If it is angled up, the price is moving up (or was recently) overall; angled down, and the price is moving down overall; moving sideways, and the price is likely in a range.

Signal:- A signal is used to tell the user when to buy and sell a particular stock.

Buy- When the shorter-term moving average crosses above the longer-term moving average, it is a signal to **BUY**, as it indicates that the trend is shifting up. This is known as a Golden Cross.

Sell- when the shorter term moving average crosses below the longer term moving average, it is a signal to **SELL**, as it indicates the trend is shifting down. It is sometimes referred to as the Death Cross.