1. We have created new tables for each company with date, close price, 20 day ma, 50 day ma Where these are the average of 19 and 49 preceding values of close price.

   This is done for all the 6 stocks.

2. Master table has been created by joining all the tables on date column and creating a master table consisting of date and close [prices of all the 6 stocks.

3. New table has been created using the tables from result 1, comprising of date, close price and signal showing buy, sell or hold.

   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

   On the opposite 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.

   When the signal is neither buy nor sell, it is classified as hold. If you already own the stock, keep it and if you don't then don't buy it now.

4. A new user defined function stock has been created which takes date as input and returns the signal for that particular day.

Conculsion: Here we have moving average of 20 and 50 days, which helps us in determining the signal whether to buy, sell or hold the particular stock.