

STOCK MARKET ANALYSIS

In the given project stock market analysis in the first question where we have to create table having date close price and 20 day moving averages and 50 day moving averages in which first I make the table given csv file then I extract the required columns in our main table date and closed price then I used window function and frames to calculate moving averages for all the stocks respectively. First I create one column NewDate having date datatype so that we can do operations on date column then we remove top 50 rows for all above tables as Moving Averages for these rows is not calculate or it is not applicable.

In the second question for master table ::

We select the date and closed prices from all the stocks then we inner join the columns on the basis of same date closed prices.

In the third question :

where we have to created column signal using column 20 Day MA and 50 Day MA. If there is a trend change as compared to previous day then there is change of Sell or Buy signal , If 20 Day MA is greater than 50 Day MA then signal is Buy.If 20 Day MA is smaller than 50 Day MA then the signal is sell.

For this first I create the temporary table in which I took date and closed prices and add one more column in which if we have 20 day MA is greater than then 50 day ma then Yes else add no which means if yes then we can buy the shares and if No then we can sell the shares which are done in next table . then we can drop the temporary table .and same thing we can do for all the stocks.

In the 4th question :

we defined user defined function which take input in the date format and it give whether you have to sell hold or buy the shares .