STOCK MARKET ASSIGNMENT 2:

DATASET:-

The dataset provided here has been extracted from the NSE website. The Stock price data provided is from 1-Jan-2015 to 31-July-2018 for six stocks Eicher Motors, Hero, Bajaj Auto, TVS Motors, Infosys and TCS

OBJECTIVE OF THE ASSIGNMENT :-
Classify signal either as buy ,sell or hold

BUY:- Signal is classified as buy when moving average of 20 day is greater than moving average of 50 day and lag over 20 day is less than lag over 50 day

SELL:- Signal is classified as sell when moving average of 20 day is less than moving average of 50 day and lag over 20 day is greater than lag over 50 day

HOLD:-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.

Thus on analysing the stock prices we could conclude following as the minimum and maximum stock prices of different stock market:

STOCK_NAME	HIGHEST_PRICE	LOWEST_PRICE	
BAJAJ	3409.5	1949.4	174.9%
HERO	4047.3	2279.8	177.53%
EICHER_MOTORS	32786.4	14320.6	228.95%
TVS	785.3	213.55	367.74%
TCS	3604.8	1721.2	209.43%
INFOSYS	2326.6	873.5	266.35%

On analysing above we can conclude that tvs is the most volatile stock

IDEA OF CROSSOVER:-

The main idea is to find the cross over points which can also be visualized by the above mentioned graph. Cross over point helps us to get to know whether we can buy or sell a stock or in some cases put the stock at hold.

Following are the criteria of choosing buy/sell/ hold:
   A. When shorter term moving average crosses above larger term moving average then it is an indication to buy
   B. When shorter term moving average crosses below larger term moving average then it is an indication to sell

CONCLUSION on basis of the study:-

   A. When analysed we can conclude that no transaction did happen on weekend
   B. Most transaction did happen on start of week
   C. Minimum did happen towards the week end.