

The analysis started by creating a database named 'Assignment' and then using it. The data is imported into this schema by creating new tables from the csv provided. The import is done using Table Data Import Wizard of Mysql Workbench.

The Date column is converted to date format from text using str\_to\_date. The tables are altered to change the datatype of Date column from text to Date.

The tables are created as asked in the assignment by calculating the moving average for last 20 rows and last 50 rows. Using these averages the golden cross and death cross are calculated for each date and then signals of Buy, Sell and Hold are generated. Since the top 50 rows and top 20 rows are null for moving averages, there are null signals for these rows. Important measures of the stocks are given below which are calculated considering all dates:

Stocks	NULL	HOLD	BUY	SELL	Total Shares	Total Trades	Min Close Price	Max Close Price
Bajaj	50	816	12	11	29021110	1786870	1949.4	3409.5
Eicher	50	826	6	7	7367696	1483509	14320.6	32786.4
Hero	50	821	9	9	32990084	2070182	2279.8	4047.3
Infosys	50	821	9	9	237068772	6882318	873.5	2326.6
Tcs	50	814	12	13	92577473	4466731	1721.2	3604.8
Tvs	50	823	8	8	162513917	3064147	213.55	785.3