

## Summary Analysis

All SQL statements has been written to perform all the operations from creating database to User Defined Function. After running the scrips, it is expected to get 6 tables, 16 views, 8 functions including a stored procedure under database name (assignment).

All the tasks asked in the assignment are performed and results are analyzed.

The views prepended with 1 like bajaj1 calculates the 20 and 50 day moving averages, and the views prepended with 2 calculates the signal for each row which uses the user defined function StockSignal to calculate row wise signal. A UDF has been created for each stock suffixed with 2 to calculate the signal for a specific date and a stored procedure named SignalForAllStocks created to show signal for all stocks in a specific date which uses the combined\_stocks to extract the data.

I have inferenced with 50 first days as hold. Stock of TCS has favorable days to 417 buy and 423 to sell. Stock of Infosys has 467 favorable days to buy and 373 days to sell. Hero has 475 favorable days to buy and 365 days to sell. Eicher has 476 favorable days to buy and 364 days to sell. Bajaj has 502 favorable days to buy and 338 days to sell. And TVS has 511 favorable days to buy and 329 days to sell. This gives us that TVS has highest number of buy while TCS has highest number of favorable days to sell. The percentage shown in the following chart also confirms TVS with highest buy while TCS with highest sells days.

StockName	Buy	Sell	PercBuy	PercSell
TCS	417	423	47	48
Infosys	467	373	53	42
Hero	475	365	53	41
Eicher	476	364	54	41
Bajaj	502	338	56	38
TVS	511	329	57	37