

## SQL Stock Market Analysis

In this assignment we had to analyse the close prices from 1<sup>st</sup> January 2015 to 31<sup>st</sup> July 2018 of 6 stocks namely Bajaj Auto, Eicher Motors, Hero MotoCorp, Infosys, TCS and TVS Motors.

We had to calculate the 20-day and the 50-day moving average for each stock which is essential to determine whether to buy or sell a stock. Then use these calculations to determine a buy/sell/hold signal.

### *Bajaj Auto*

Signals generated: Buy-12, Sell-11

Buy on 18<sup>th</sup> May 2015 at Rs. 2221.95

Sell on 25<sup>th</sup> January 2018 at Rs. 3303.2

### *Eicher Motors*

Signals generated: Buy-6, Sell-7

Buy on 1<sup>st</sup> November 2016 at Rs. 17257.2

Sell on 13<sup>th</sup> October 2017 at Rs. 31368.2

### *Hero MotoCorp*

Signals generated: Buy-9, Sell-9

Buy on 20<sup>th</sup> October 2015 at Rs. 2605.05

Sell on 4<sup>th</sup> October 2017 at Rs. 31368.2

### *Infosys*

Signals generated: Buy-9, Sell-9

Buy on 24<sup>th</sup> October 2017 at Rs. 926.75

Sell on 17<sup>th</sup> April 2017 at Rs. 1125

### *TCS*

Signals generated: Buy-12, Sell-13

Buy on 2<sup>nd</sup> January 2017 at Rs. 2359.05

Sell on 22<sup>nd</sup> March 2018 at Rs. 2829.95

### *TVS*

Signals generated: Buy-8, Sell-8

Buy on 7<sup>th</sup> October 2015 at Rs. 241.3

Sell on 29<sup>th</sup> Jan 2018 at Rs. 719.3

TVS and Eicher are the best investments. TVS gives a 198% return in 3 years. Although the share price is low but buying a huge number of shares would have been very profitable.

Eicher is an excellent short-term investment as it gives a 82% return in one year.