

## **EXECUTIVE SUMMARY: STOCK PRICE DATASET ANALYSIS**

This project titled “My SQL Assignment: Stock Price Dataset” was carried out by Shubham Pradhan.

### **TECHNICAL SPECIFICATIONS**

The analyzed dataset contains stock price data provided for ‘Eicher Motors’, ‘Hero’, ‘Bajaj Auto’, ‘TVS Motors’, ‘Infosys’ and ‘TCS’ from 1-Jan-2015 to 31-July-2018, extracted from NSE Website.

### **ASSUMPTIONS**

- The datatype of the Date field is ‘Date’.
- In Question 4, input date is expected in ‘Date’ format.

#### **Question 1:**

I have created the tables ‘bajaj1’, ‘eicher1’, ‘hero1’, ‘infosys1’, ‘tcs1’, ‘tvs1’ containing the respective Date, Close Price, 20 Day MA and 50 Day MA.

#### **Question 2:**

A master table is created using inner join query on ‘bajaj1’, ‘tcs1’, ‘tvs1’, ‘infosys1’, ‘eicher1’ and ‘hero1’ tables.

#### **Question 3:**

‘Buy’, ‘Sell’ and ‘Hold’ Signals have been generated by analyzing the 20 Day MA and 50 Day MA values.

#### **Question 4:**

A user defined function has been created. It takes ‘date’ as input and returns signal output as Buy/Sell/Hold for Bajaj Stock.

### **INFERENCE**

Basic problem of investing on Stock market is, most investors are not clear about the fundamentals / techniques of investment. While analyzing this dataset, I have got a clear idea of the basic concepts involved in investment decisions.

I have used the concept of Moving Averages and analyzed it to calculate different signals like ‘Buy’, ‘Sell’ and ‘Hold’, because historical prices generally have an impact on future prices. These signals will help in reducing the risks and also improve profits.