# Advance MySQL - Assignment

Problem Statement 5  - Summary of Analysis

By – Balakrishna Gadiyar

**Summary**

Current assignment throws light on the technique of stock analysis based on moving averages. Motive was to analyze raw data generated at Indian Stock Exchange firms for last 3 years and provide recommendation for investors.  Although data provided is pretty much neat, Analysis includes data cleanup by excel features like sort and cell formula features before data analysis.  As part of preliminary data analysis step, identified facts and dimensions and generated fact tables with MYSQL. Later with the help of delivered functions and user defined functions developed analytic queries to arrive at recommendations.

Analysis revolves around comparing current closing prices with average of past prices using fact tables.  Let us analyze Bajaj Auto to see what category of investors and what recommendations can be provided, there are 484 buy calls, 14 Hold and 389 sell calls in past three years. To summarize, stock is predominantly above golden cross barrier for longer duration, hence recommended for long term investment.

Reduction of moving average period provides more interactive/responsive slope thus helps investor with a better call for his investment in his stock.  But as the moving average is taken for higher period/longer term might not give accurate recommendation. Specifically, if you review recent stock market crash, we might look for better analysis technique instead of the current.