

SQL ASSIGNMENT

SUMMARY

In this assignment we need to generate a signal Buy or Sell for stock.

For this we need to calculate the moving average method for all the 6 tables. A moving average is a technique to get an overall idea of the trends in the dataset. It is an average of any subset of numbers. For this assignment we calculated 20 Day Moving Average and 50 Day Moving Average.

When the short-term moving average (20-day) crosses above the long-term moving average(50-Day), it is a signal to BUY, as it indicates that the trend is shifting up. It is called the **Golden Cross**.

On the opposite, when the short-term moving average(20-Day) crosses below the long-term moving average(50-Day), it is a signal to SELL, as it indicates that the trend is shifting down. It is referred as **Death Cross**.

When the signal is neither sell nor buy, it is classified as hold. If already own the stock, keep it and if you don't then do not buy it now.

Looking for signal in each stock(6).

- **Bajaj Auto** - Bajaj Auto stock could have been bought 12 times and sold 11 times in the provided period time.

- **Eicher Motor** - Eicher Motor's stock could have been bought 6 times and sold 7 times in the provided period time.
- **Hero Motorcorp** – Hero Motorcorp's stock could have been bought 9 times and sold 9 times in the provided period time.
- **Infosys** – Infosys stock could have been bought 9 times and sold 9 times in the provided period time.
- **TCS** – TCS stock could have been bought 13 times and sold 13 times in the provided period.
- **TVS** – TVS stock could have been bought 8 times and sold 9 times in the provided period.