**Stock Price Prediction**

**Analysis**

In this project we attempt to implement machine learning approach to predict stock prices. Machine learning is effectively implemented in forecasting stock prices. The objective is to predict the stock prices inorder to make more informed and accurate investment decisions. The purpose of this is for achieving better stock prediction accuracy and issuing profitable trades.

It involves:

1. Import the Libraries.

### 2. Load the Training Dataset.

### 3. Use the Open Stock Price Column to Train Your Model.

### 4. Normalizing the Dataset.

### 5. Creating X\_train and y\_train Data Structures

### 6. Reshape the Data.

### 7.Building the Model by Importing the Crucial Libraries and Adding Different Layers to LSTM.

### 8. Fitting the Model.

### 9. Extracting the Actual Stock Prices

### 10. Preparing the Input for the Model

### 11. Predicting the Values

### 12. Plotting the Actual and Predicted Prices

### Conclusion:

### The stock market plays a remarkable role in our daily lives. It is a significant factor in a country's GDP growth. In this tutorial, you learned the basics of the stock market and how to perform stock price prediction using machine learning.