# BITCOIN PRICE PREDICTOR

STEP:1: Importing all the necessary libraries

STEP:2: Extracting real-time prices of bitcoin

STEP:3: Converting string “date time” into “python date-time” object

STEP:4: Output of 5 rows with complete trading features

STEP:5: Splitting data into training and testing set by 80% and 20% respectively

STEP:6: Plotting bitcoin prices with time

STEP:7: Preparing data for Machine Learning (sorting data)

STEP:8: Extraction of window\_data with splitting for modeling of Neural Network

STEP:9: Predicting price by LSTM (Long Short Time Memory Neural Network) the importance of this is that it allow to remember patterns for a certain amount of time.

(we are using sequential model)

STEP:10: Setting parameters

STEP:11: Training the model

STEP:12: Checking Error

STEP:13: Finally, plotting actual and predicted prices.

STEP:14: **CONCLUSION:**

We used LSTM neural network, because we were failed to predict real-time predictions. The importance of this code is ,it can predict the values of updated prices of future.

MAE(Mean Absolute Error) used as it is easy to interpretable.