STOCK PRICE PREDICTION

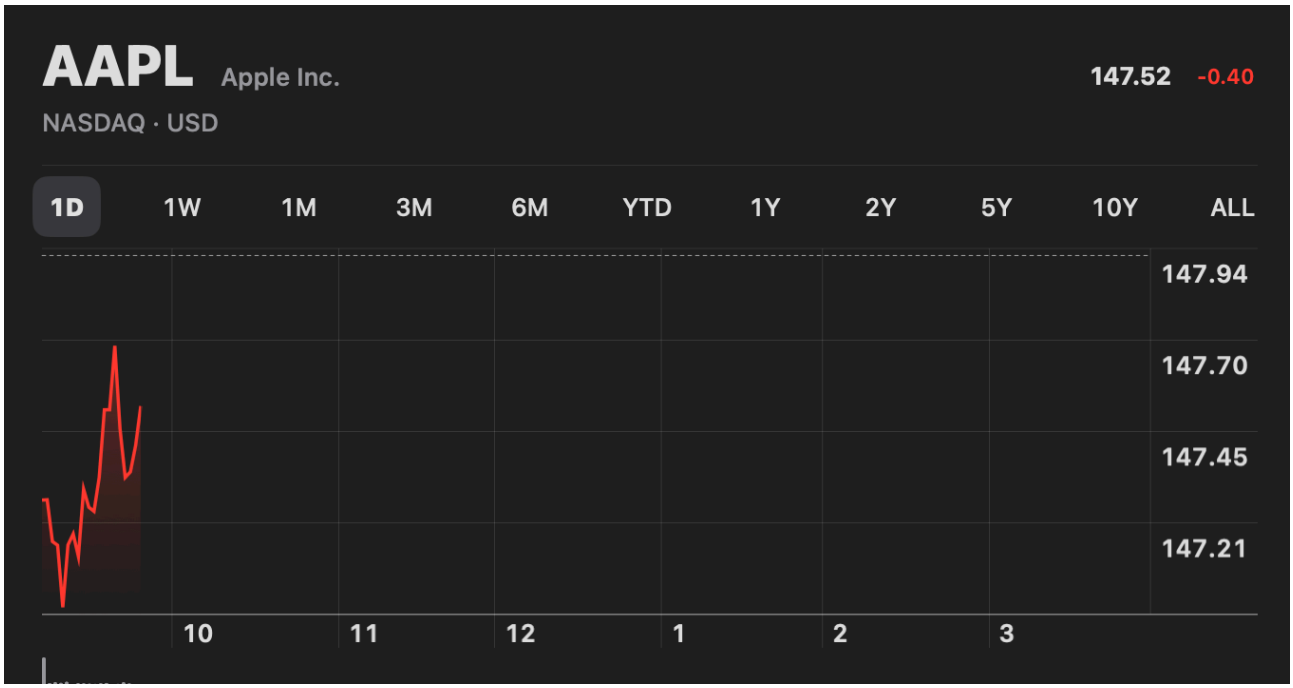
(CORIZO PROJECT)

LIBRARIES USED:

OpenCV - pip install opencv-contrib-python
Numpy - pip install numpy
Pandas - pip install pandas
Matplot library- pip install matplotlib
Yfinance- pip install yfinance

Files Used: AAPL.CSV

IN THIS FILE I WILL SHOW THE HISTORICAL CLOSE PRICE OF THE COMPANY ALSO THE FUTURE STANDINGS.



THIS IS AAPL'S CURRENT STATUS IN THE MARKET

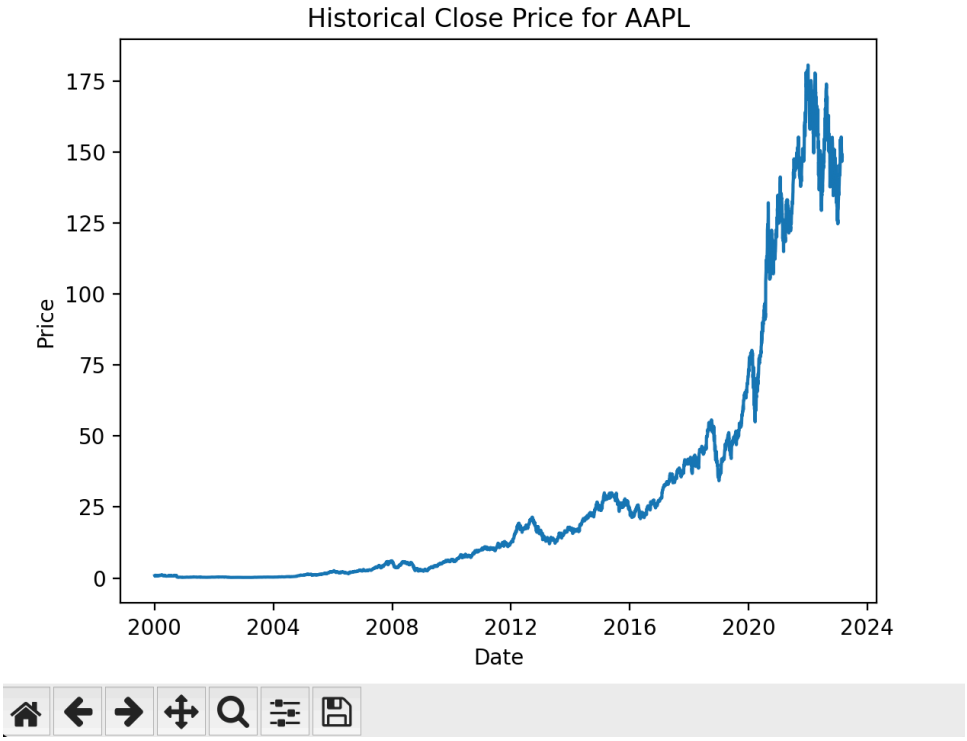
AAPL'S STOCK ANALYSIS FROM 2000-01-01 TO 2023-02-28

CODE:

INPUT:

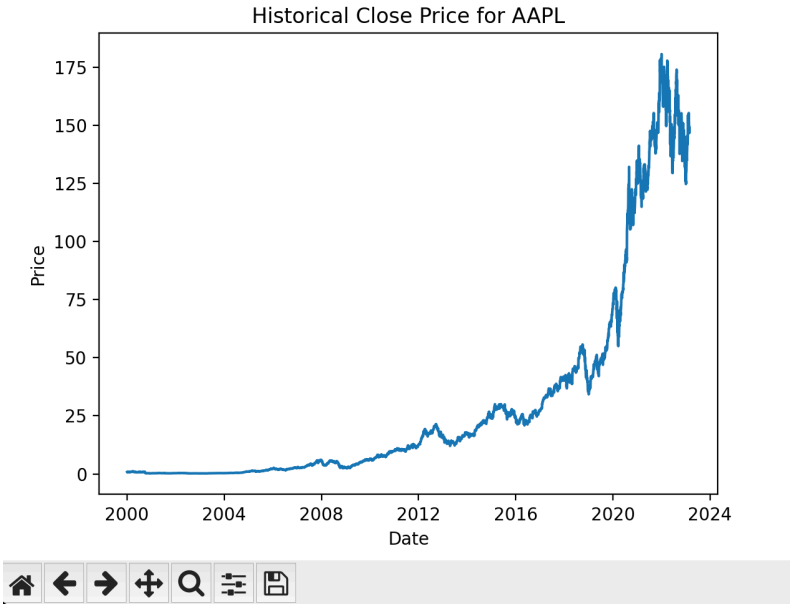
```
import pandas as pd
import matplotlib.pyplot as plt
import yfinance as yf


tickerSymbol = 'AAPL'


tickerData = yf.Ticker(tickerSymbol)


tickerDf = tickerData.history(period='1d', start='2000-1-1', end='2023-2-28')


plt.plot(tickerDf['Close'])
plt.title('Historical Close Price for ' + tickerSymbol)
plt.xlabel('Date')
plt.ylabel('Price')
plt.show()
```

OUTPUT:



Screenshot of the code:

```python
import pandas as pd
import matplotlib.pyplot as plt
import yfinance as yf


tickerSymbol = 'AAPL'


tickerData = yf.Ticker(tickerSymbol)


tickerDf = tickerData.history(period='1d', start='2000-1-1', end='2023-2-28')


plt.plot(tickerDf['Close'])
plt.title('Historical Close Price for ' + tickerSymbol)
plt.xlabel('Date')
plt.ylabel('Price')
plt.show()

```



AS YOU CAN SEE MY ANALYSIS MATCHES THE CURRENT STATUS OF THE APPLE(AAPL)

WHILE DOING ANALYSIS PREDICTION OF PRICE IS CAN BE SEEN.

THANK YOU!

SUBMITTED BY:

PRIYANSH CHHABRA