#import needed modules

import matplotlib.pyplot as plt

from pandas\_datareader import data as pdr

import matplotlib.dates as mdates

import yfinance as yfin

yfin.pdr\_override()

#set the start and end date

start\_date = "2020-03-01"

end\_date = "2021-08-25"

#choose stock ticker symbol

ticker = "TSLA"

#get stock price

stock = pdr.get\_data\_yahoo(ticker, start=start\_date, end=end\_date)

print(stock)

#obtain dates

stock['Date']=stock.index.map(mdates.date2num)

#choose figure size

fig = plt.figure(dpi=128, figsize=(10, 6))

#format date to place on the x-axis

formatter = mdates.DateFormatter('%m/%d/%Y')

plt.gca().xaxis.set\_major\_formatter(formatter)

# Plot data.

plt.plot(stock['Date'], stock['Adj Close'], c='red')

# Format plot.

plt.title("The Stock Price", fontsize=16)

plt.xlabel('Date', fontsize=10)

fig.autofmt\_xdate()

plt.ylabel("Price", fontsize=10)

plt.show()

Chart, line chart

Description automatically generated

Graphical user interface

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Text

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Chart

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import TickerFirmProvider as tfp

from yahoo\_fin import stock\_info as si #υ

# Start an infinite loop

while True:

    # Obtain company name from you

    firm = input("Which company's ticker/stock price are you looking for?\n")

    # If you want to stop, type in "done"

    if firm == "done":

        break

    # Otherwise, type in a company name

    else:

        try:

            # Get the ticker symbol

            ticker = tfp.TickerByFirm(firm)

            # obtain live stock price from Yahoo

            price = si.get\_live\_price(ticker)

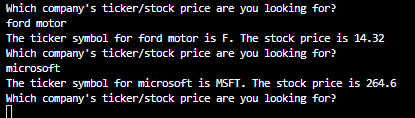
            # Print out the ticker and stock price

            print(f"The ticker symbol for {firm} is {ticker}. The stock price is {round(price,2)}")

        except:

            print("Sorry, not a valid entry!")

        continue



Text

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Chart, waterfall chart

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A picture containing graphical user interface

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