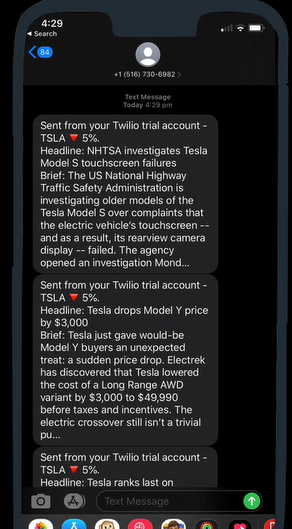
Day 36 Stock News Monitoring program

Bloomberg Terminal – DYI

<https://uk.tradingview.com/symbols/NASDAQ-TSLA/>



Resources

<http://jsonviewer.stack.hu/>

Stock API <https://www.alphavantage.co/>

News API <https://newsapi.org/>

Twilio <https://www.twilio.com/>

Python abs() Function <https://www.w3schools.com/python/ref_func_abs.asp>

Stock API

#### [TIME\_SERIES\_DAILY\_ADJUSTED High Usage](https://www.alphavantage.co/documentation/#dailyadj)

This API returns raw (as-traded) daily open/high/low/close/volume values, daily adjusted close values, and historical split/dividend events of the global equity specified, covering 20+ years of historical data.

###### API Parameters

**❚ Required: function**

The time series of your choice. In this case, function=TIME\_SERIES\_DAILY\_ADJUSTED

**❚ Required: symbol**

The name of the equity of your choice. For example: symbol=IBM

❚ Optional: outputsize

By default, outputsize=compact. Strings compact and full are accepted with the following specifications: compact returns only the latest 100 data points; full returns the full-length time series of 20+ years of historical data. The "compact" option is recommended if you would like to reduce the data size of each API call.

❚ Optional: datatype

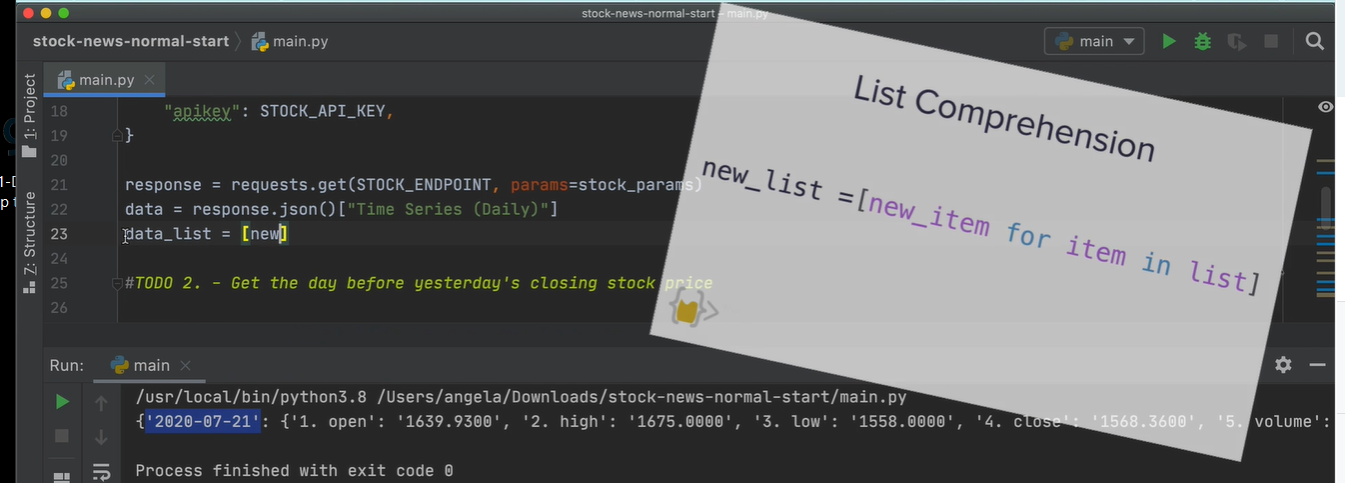
By default, datatype=json. Strings json and csv are accepted with the following specifications: json returns the daily time series in JSON format; csv returns the time series as a CSV (comma separated value) file.

**❚ Required: apikey**

Your API key. Claim your free API key [here](https://www.alphavantage.co/support/#api-key).

https://www.alphavantage.co/query?function=TIME\_SERIES\_DAILY\_ADJUSTED&symbol=IBM&apikey=demo

Welcome to Alpha Vantage! Your API key is: K42CTB0M5JBNRGDM. Please record this API key at a safe place for future data access.



News API

<https://newsapi.org/v2/everything?q=apple&from=2021-01-19&to=2021-01-19&sortBy=popularity&apiKey=08182031773444848753ff15a66f6fc0>

Slice operator

<https://stackoverflow.com/questions/509211/understanding-slice-notation>

