A comprehensive note on yfinance Python library

The `yfinance` is a Python library that provides a user-friendly interface for downloading historical market data from Yahoo Finance. It allows you to get historical stock prices, dividends, and other financial data for stocks, Exchange-Traded Funds (ETFs), and other securities.

Her is an example with the code showing how to use yfinance to download historical stock prices:

```
1. 1
2. 2
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8. 8
```

```
1. import yfinance as yf
2.
3. # Download historical data for a stock
4. msft = yf.Ticker("MSFT")
5. msft_data = msft.history(period="max")
6.
7. # Display the downloaded data
8. msft_data.head()
```

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In the above code:

- First, import the yfinance library using the alias yf.
- Then, create a `Ticker` object for the Microsoft stock (“MSFT”).
- We use the `history` method of the Ticker object to download the historical data for the stock. The `period` parameter of the `history` method specifies the time period for which we want to download the data. In this example, we set it to `max` to download the maximum amount of available historical data.

Here are some of the possible values for the period parameter and what they represent:

- period=”1d”: Download 1 day of historical data.
- period=”5d”: Download 5 days of historical data.
- period=”1mo”: Download 1 month of historical data.
- period=”3mo”: Download 3 months of historical data.
- period=”6mo”: Download 6 months of historical data.
- period=”1y”: Download 1 year of historical data.
- period=”2y”: Download 2 years of historical data.
- period=”5y”: Download 5 years of historical data.
- period=”10y”: Download 10 years of historical data.
- period=”ytd”: Download historical data since the beginning of the current year.
- period=”max”: Download all available historical data.

Finally, we print the downloaded data using the `head` function. This will display a Pandas DataFrame containing the historical stock prices and other financial data for Microsoft.

Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
1986-03-13	0.055241	0.063365	0.055241	0.060657	1031788800	0.0	0.0
1986-03-14	0.060657	0.063907	0.060657	0.062823	308160000	0.0	0.0
1986-03-17	0.062823	0.064448	0.062823	0.063907	133171200	0.0	0.0
1986-03-18	0.063907	0.064448	0.061740	0.062281	67766400	0.0	0.0
1986-03-19	0.062281	0.062823	0.060657	0.061198	47894400	0.0	0.0

Author(s)”

Pooja Patel

Change Log

Date	Version	Changed by	Change Description
2023-006-01	1.0	Pooja	Created the first version