



# The yfinance Python library

The `yfinance` is a Python library with a user-friendly interface for downloading historical market data from Yahoo Finance. It lets you get historical stock prices, dividends, and other financial data for stocks, exchange-traded funds (ETFs), and other securities.

This example shows code for using `yfinance` to download historical stock prices.

1. 1
2. 2

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3. 3  
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```

```
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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## Explanation for the above code:

- First, import the yfinance library using the alias yf.
- Then, create a Ticker object for the Microsoft stock (“MSFT”).

- Use the `history` method of the Ticker object to download the historical data for the stock. The `period` parameter of the `history` method specifies when you want to download the data. In this example, it is set to `max` to download the maximum 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, you print the downloaded data using the `head` function. This downloaded data will display a Pandas data frame containing Microsoft's historical stock prices and other financial data.

	Open	High	Low	Close	Volume	Dividends	Stock Splits
Date							
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)**

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# Change Log

Date	Version	Changed by	Change Description
2023-006-01	1.0	Pooja	Created the first version
2024-02-08	1.1	MS	QA Review