Question 3: Use yfinance to Extract Stock Data

Using the `Ticker` function enter the ticker symbol of the stock we want to extract data on to create a ticker object. The stock is GameStop and its ticker symbol is `GME`.

```
GameStop = yf.Ticker("GME")
```

Using the ticker object and the function `history` extract stock information and save it in a dataframe named `gme_data`. Set the `period` parameter to `"max"` so we get information for the maximum amount of time.

```
gme_data = GameStop.history(period="max")
print(gme_data)
```

```
                                Open       High        Low      Close  \
Date
2002-02-13 00:00:00-05:00   1.620129   1.693350   1.603296   1.691667
2002-02-14 00:00:00-05:00   1.712707   1.716074   1.670626   1.683251
2002-02-15 00:00:00-05:00   1.683251   1.687459   1.658002   1.674834
2002-02-19 00:00:00-05:00   1.666418   1.666418   1.578047   1.607504
2002-02-20 00:00:00-05:00   1.615920   1.662210   1.603296   1.662210
...                              ...        ...        ...        ...
2024-10-07 00:00:00-04:00  21.350000  21.530001  20.809999  20.900000
2024-10-08 00:00:00-04:00  20.900000  21.270000  20.530001  20.709999
2024-10-09 00:00:00-04:00  20.500000  20.740000  20.299999  20.500000
2024-10-10 00:00:00-04:00  20.469999  21.049999  20.379999  20.910000
2024-10-11 00:00:00-04:00  20.660000  21.219999  20.660000  20.830000

                             Volume  Dividends  Stock Splits
Date
2002-02-13 00:00:00-05:00  76216000        0.0           0.0
2002-02-14 00:00:00-05:00  11021600        0.0           0.0
```


```
                             Volume  Dividends  Stock Splits
Date
2002-02-13 00:00:00-05:00  76216000        0.0           0.0
2002-02-14 00:00:00-05:00  11021600        0.0           0.0
```


```
2002-02-15 00:00:00-05:00   8389600        0.0           0.0
2002-02-19 00:00:00-05:00   7410400        0.0           0.0
2002-02-20 00:00:00-05:00   6892800        0.0           0.0
...                             ...        ...           ...
2024-10-07 00:00:00-04:00   5988000        0.0           0.0
2024-10-08 00:00:00-04:00   4840500        0.0           0.0
2024-10-09 00:00:00-04:00   3914000        0.0           0.0
2024-10-10 00:00:00-04:00   4180800        0.0           0.0
2024-10-11 00:00:00-04:00   3912200        0.0           0.0

[5705 rows x 7 columns]
```

```
**Reset the index** using the `reset_index(inplace=True)` function on the gme_data DataFrame and display the first five rows of the
`gme_data` dataframe using the `head` function. Take a screenshot of the results and code from the beginning of Question 3 to the results
below.
```

```
gme_data.reset_index(inplace=True)
gme_data.head()
```

	Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
0	2002-02-13 00:00:00-05:00	1.620129	1.693350	1.603296	1.691667	76216000	0.0	0.0
1	2002-02-14 00:00:00-05:00	1.712707	1.716074	1.670626	1.683251	11021600	0.0	0.0
2	2002-02-15 00:00:00-05:00	1.683251	1.687459	1.658002	1.674834	8389600	0.0	0.0
3	2002-02-19 00:00:00-05:00	1.666418	1.666418	1.578047	1.607504	7410400	0.0	0.0
4	2002-02-20 00:00:00-05:00	1.615920	1.662210	1.603296	1.662210	6892800	0.0	0.0