# 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`.

[23]:
```
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.

[24]:
```
gme_data=gamestop.history(period="max")
gme_data.head()
```

[24]:

| Date | Open | High | Low | Close | Volume | Dividends | Stock Splits |
|---|---|---|---|---|---|---|---|
| **2002-02-13** | 1.620128 | 1.693350 | 1.603296 | 1.691667 | 76216000 | 0.0 | 0.0 |
| **2002-02-14** | 1.712707 | 1.716074 | 1.670626 | 1.683250 | 11021600 | 0.0 | 0.0 |
| **2002-02-15** | 1.683250 | 1.687458 | 1.658001 | 1.674834 | 8389600 | 0.0 | 0.0 |
| **2002-02-19** | 1.666418 | 1.666418 | 1.578047 | 1.607504 | 7410400 | 0.0 | 0.0 |
| **2002-02-20** | 1.615920 | 1.662210 | 1.603296 | 1.662210 | 6892800 | 0.0 | 0.0 |

**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.

[66]:
```
gme_data.reset_index(inplace=True)
gme_data.head(5)
```

[66]:

| | Date | Open | High | Low | Close | Volume | Dividends | Stock Splits |
|---|---|---|---|---|---|---|---|---|
| **0** | 2002-02-13 | 1.620128 | 1.693350 | 1.603296 | 1.691667 | 76216000 | 0.0 | 0.0 |
| **1** | 2002-02-14 | 1.712707 | 1.716074 | 1.670626 | 1.683250 | 11021600 | 0.0 | 0.0 |
| **2** | 2002-02-15 | 1.683250 | 1.687458 | 1.658001 | 1.674834 | 8389600 | 0.0 | 0.0 |
| **3** | 2002-02-19 | 1.666418 | 1.666418 | 1.578047 | 1.607504 | 7410400 | 0.0 | 0.0 |
| **4** | 2002-02-20 | 1.615920 | 1.662210 | 1.603296 | 1.662210 | 6892800 | 0.0 | 0.0 |