Question 1: 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 Tesla and its ticker symbol is `TSLA`.

In [4]:
```
tesla = yf.Ticker("TSLA")
```

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

In [6]:
```
tesla_data=tesla.history(period="max")
```

Reset the index using the `reset_index(inplace=True)` function on the tesla_data DataFrame and display the first five rows of the `tesla_data` dataframe using the `head` function. Take a screenshot of the results and code from the beginning of Question 1 to the results below.

In [7]:
```
tesla_data.reset_index(inplace=True)

tesla_data.head()
```

Out[7]:

	Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
0	2010-06-29	3.800	5.000	3.508	4.778	93831500	0	0.0
1	2010-06-30	5.158	6.084	4.660	4.766	85935500	0	0.0
2	2010-07-01	5.000	5.184	4.054	4.392	41094000	0	0.0
3	2010-07-02	4.600	4.620	3.742	3.840	25699000	0	0.0
4	2010-07-06	4.000	4.000	3.166	3.222	34334500	0	0.0

Execute the following line to remove the comma and dollar sign from the `Revenue` column.

In [19]:
```
tesla_revenue["Revenue"] = tesla_revenue['Revenue'].str.replace(',|\$',"")
```

```
<ipython-input-19-2aef5327de36>:1: FutureWarning: The default value of regex will change from True to False in a future version.
  tesla_revenue["Revenue"] = tesla_revenue['Revenue'].str.replace(',|\$',"")
```

Execute the following lines to remove an null or empty strings in the Revenue column.

In [20]:
```
tesla_revenue.dropna(inplace=True)

tesla_revenue = tesla_revenue[tesla_revenue['Revenue'] != ""]
```

Display the last 5 row of the `tesla_revenue` dataframe using the `tail` function. Take a screenshot of the results.

In [21]:
```
tesla_revenue.tail()
```

Out[21]:

	Date	Revenue
44	2010-09-30	31
45	2010-06-30	28
46	2010-03-31	21
48	2009-09-30	46
49	2009-06-30	27

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`.

In [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.

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

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.

In [25]:
```
gme_data.reset_index(inplace=True)

gme_data.head()
```

Out[25]:

	Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
0	2002-02-13	6.480512	6.773398	6.413182	6.766665	19054000	0.0	0.0
1	2002-02-14	6.850828	6.864294	6.682503	6.733001	2755400	0.0	0.0
2	2002-02-15	6.733002	6.749834	6.632007	6.699337	2097400	0.0	0.0
3	2002-02-19	6.665670	6.665670	6.312188	6.430016	1852600	0.0	0.0
4	2002-02-20	6.463681	6.648838	6.413183	6.648838	1723200	0.0	0.0

3	2020-10-31	$1,005
4	2020-07-31	$942
...	...	...
62	2006-01-31	$1,667
63	2005-10-31	$534
64	2005-07-31	$416
65	2005-04-30	$475
66	2005-01-31	$709

67 rows × 2 columns

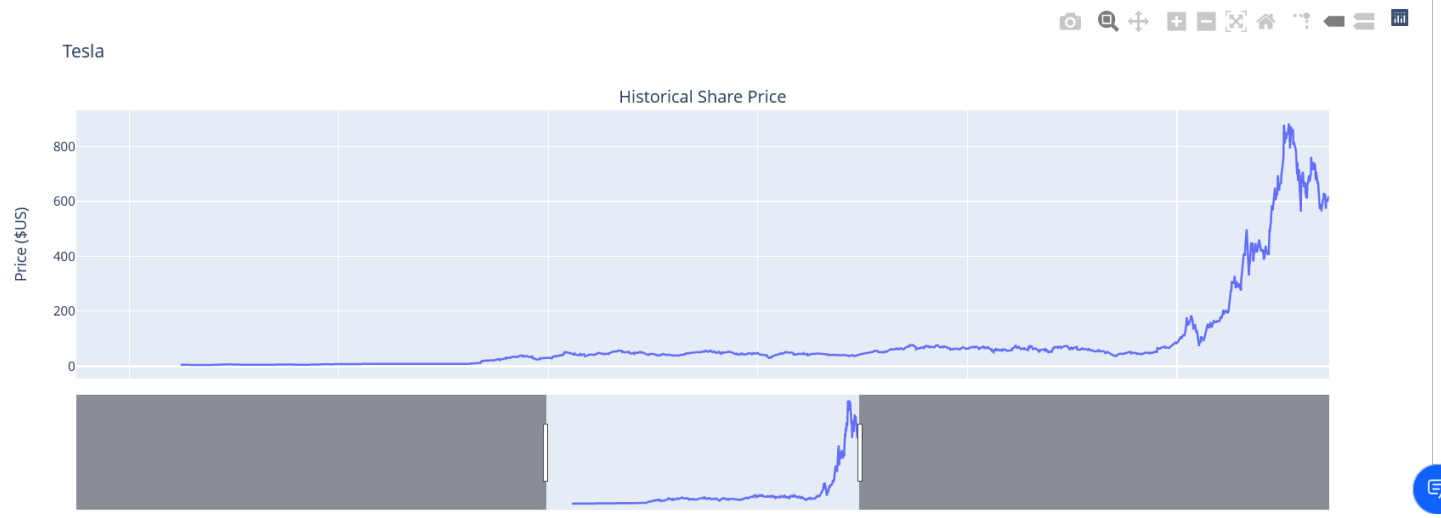
Display the last five rows of the `gme_revenue` dataframe using the `tail` function. Take a screenshot of the results.

In [32]:
```
gme_revenue.tail()
```

Out[32]:

	Date	Revenue
62	2006-01-31	$1,667
63	2005-10-31	$534
64	2005-07-31	$416
65	2005-04-30	$475
66	2005-01-31	$709

In [33]:
```
make_graph(tesla_data, tesla_revenue, 'Tesla')
```



In [36]:
```
make_graph(gme_data, gme_revenue, 'GameStop')
```