Question 1 : Use the yfinance to extract Stock Data of tesla

In [10]:
```python
import yfinance as yf
import pandas as pd
```

In [11]:
```python
tesla = yf.Ticker('TSLA')
```

In [12]:
```python
tesla_info = tesla.info
tesla_info
```

Out[12]:
```
{'zip': '94304',
 'sector': 'Consumer Cyclical',
 'fullTimeEmployees': 70757,
 'longBusinessSummary': 'Tesla, Inc. designs, develops, manufactures, leases,
and sells electric vehicles, and energy generation and storage systems in the
United States, China, and internationally. The company operates in two segmen
ts, Automotive, and Energy Generation and Storage. The Automotive segment off
ers electric vehicles, as well as sells automotive regulatory credits. It pro
vides sedans and sport utility vehicles through direct and used vehicle sale
s, a network of Tesla Superchargers, and in-app upgrades; and purchase financ
ing and leasing services. This segment is also involved in the provision of n
on-warranty after-sales vehicle services, sale of used vehicles, retail merch
andise, and vehicle insurance, as well as sale of products through its subsid
iaries to third party customers; services for electric vehicles through its c
ompany-owned service locations, and Tesla mobile service technicians; and veh
icle limited warranties and extended service plans. The Energy Generation and
Storage segment engages in the design, manufacture, installation, sale, and l
easing of solar energy generation and energy storage products, and related se
rvices to residential, commercial, and industrial customers and utilities thr
```

In [13]:
```python
tesla_data = tesla.history(period='max')
```

In [14]:
```python
tesla_data.head()
```

Out[14]:

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

Question 2

tesla_revenue dataframe using the tail function

In [22]: `tesla_data.tail()`

Out[22]:

Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
2021-07-08	628.369995	654.429993	620.460022	652.809998	22773300	0	0.0
2021-07-09	653.179993	658.909973	644.690002	656.950012	18118500	0	0.0
2021-07-12	662.200012	687.239990	662.159973	685.700012	25927000	0	0.0
2021-07-13	686.320007	693.280029	666.299988	668.539978	20847500	0	0.0
2021-07-14	670.750000	678.609985	652.840027	653.380005	21612700	0	0.0

Question 3

gme_data dataframe using the head function

In [16]:
```python
gme = yf.Ticker('GME')
```

In [17]:
```python
gme_info = gme.info
gme_info
```

Out[17]:
```
{'zip': '76051',
 'sector': 'Consumer Cyclical',
 'fullTimeEmployees': 12000,
 'longBusinessSummary': 'GameStop Corp., a specialty retailer, provides games
and entertainment products through its e-commerce properties and various stor
es in the United States, Canada, Australia, and Europe. The company sells new
and pre-owned video game platforms; accessories, such as controllers, gaming
headsets, virtual reality products, and memory cards; new and pre-owned video
game software; and in-game digital currency, digital downloadable content, an
d full-game downloads, as well as network points cards, and prepaid digital a
nd subscription cards. It also sells collectibles comprising licensed merchan
dise primarily related to the video game, television, and movie industries, a
s well as pop culture themes. The company operates its stores and e-commerce
sites under the GameStop, EB Games, and Micromania brands; and collectibles s
tores under the Zing Pop Culture and ThinkGeek brand, as well as offers Game
Informer, a print and digital video game publication featuring reviews of new
title releases, game tips, and news regarding the video game industry. As of
January 30, 2021, it operated 4,816 stores. The company was formerly known as
GSC Holdings Corp. GameStop Corp. was founded in 1996 and is headquartered in
```

In [20]:
```python
gme_data = gme.history(period='max')
```

In [21]:
```python
gme_data.head()
```

Out[21]:

Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
2002-02-13	6.480513	6.773399	6.413183	6.766666	19054000	0.0	0.0
2002-02-14	6.850831	6.864296	6.682506	6.733003	2755400	0.0	0.0
2002-02-15	6.733001	6.749833	6.632006	6.699336	2097400	0.0	0.0
2002-02-19	6.665671	6.665671	6.312189	6.430017	1852600	0.0	0.0
2002-02-20	6.463681	6.648838	6.413183	6.648838	1723200	0.0	0.0

In [ ]: