

Question 2: Use Webscraping to Extract Tesla Revenue Data

Use the requests library to download the webpage https://cf-courses-data.s3.us.cloud-object

(41) w1 * "http://ff.corses-data.st.es.clost-shject-storage.apdomain.clost/200egelgap=5:1130cbars.f7623005.5:1130cbars/lss/greject/pponou.btg" data * reposts_set(or1).junt

Parse the html data using beautiful_soup

[45]: soup = 8eautifulSoup(data, 'html.parser')

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Using SeautifulSoup of the read html function extract the table with Tesla Revenue and store it into a dataframe named tesla revenue. The dataframe should have columns Quate and Revenue

fer row in soap.fied all('table')[1].fied all('tr')[1:]:
 date = row.fied all('ta')[0].toxt
 revenue = row.fied all('ta')[1].toxt

tesla revenue = tesla_revenue.append(('Oute': date, 'Nevenue': revenue), lagure index-frue)

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

teals revenue "Nevenue" - teals revenue | Nevenue') .str.replace('s |40', "")

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

tosla_revenue.dropna(inplace=True)

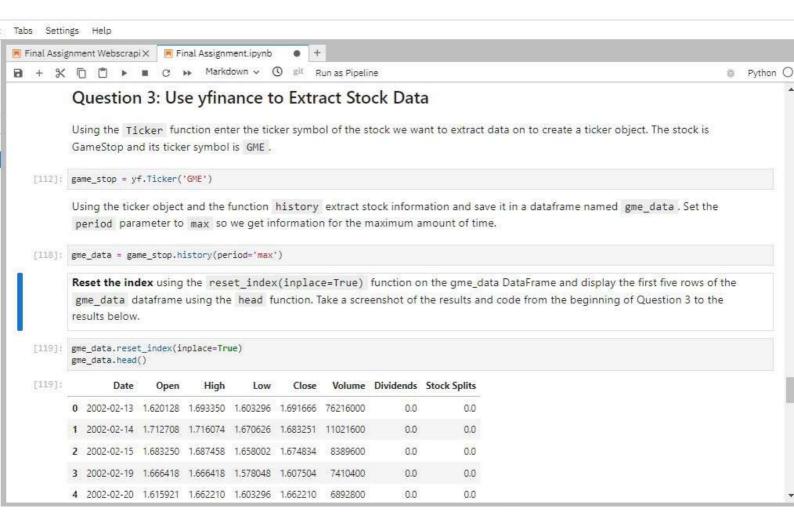
tesla_revenue = tesla_revenue[tesla_revenue['Revenue'] != ***] Display the last 5 row of the tesla_revenue dataframe using the tail function. Take a screenshot of the results

tesla revenue.tall()

Dute Revenue
48 2010 07 88 81
49 2010 06 88 28

50 2010 05 81 21 52 2009 09 30 46 53 2009 09 30

53 2009 06 30 27



Question 4: Use Webscraping to Extract GME Revenue Data

Use the 'requests' library to download the webpage https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/stock.html. Save the text of the response as a variable named html_data.

```
[81]: url = "https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeyeloperSkillsNetwork-PY9220EN-SkillsNetwork/lgbs/project/stock.html" html_data = requests.get(url).text
```

Parse the html data using beautiful_soup.

```
[82]: soup = BeautifulSoup(html_data, 'html.parser')
```

Using BeautifulSoup or the read_html function extract the table with Gamestop Revenue and store it into a dataframe named gme_revenue. The dataframe should have columns pate and Revenue. Make sure the comma and dollar sign is removed from the Revenue column using a method similar to what you did in Question 2.

▶ Click here if you need help locating the table

```
[83]: gme_revenue = pd.DataFrame(columns=['Date', 'Revenue'))
for row in soup.find_all('table')[1].find_all('tr')[1:]:
    date = row.find_all('td')[8].text
    revenue = row.find_all('td')[1].text
    gme_revenue = gme_revenue.append({'Date': date, 'Revenue': revenue}, ignore_index=True)

gme_revenue["Revenue"] = gme_revenue('Revenue'].str.replace(', | \frac{46}{7} - \frac{11}{7} - \frac
```

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

```
[84]: gme_revenue.tail()
```

		Date	Revenue
	57	2005-01-31	1667
	58	2005-10-31	534
	59	2005-07-31	416
	60	2005-04-30	475
	61	2005-01-31	709

Question 5: Plot Tesla Stock Graph

Use the make_graph function to graph the Tesla Stock Data, also provide a title for the graph. The structure to call the make_graph function is make_graph(tesla_data, tesla_revenue, 'Tesla'). Note the graph will only show data upto June 2021.



Question 6: Plot GameStop Stock Graph

Use the isake graph function to graph the GameStop Stock Data, also provide a title for the graph. The structure to call the isake graph function is isake graph figure_data, give_revenue, "GameStop"). Note the graph will only show data upto June 2021.

