

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

```
tesla_revenue["Revenue"] = tesla_revenue['Revenue'].str.replace('$','').str.replace(',','')
```

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

```
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.

```
tesla_revenue.tail(5)
```

## 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 `BeautifulSoup` or the `read_html` function extract the table with `Tesla Revenue` and store it into a dataframe named `tesla_revenue`. The dataframe should have columns `Date` and `Revenue`.

▶ Click here if you need help locating the table

```
tesla_revenue_data= []

for row in soup.find("tbody").find_all('tr'):
    col = row.find_all("")
    date = col[0].text
    revenue = col[1].text

    # Finally we append the data of each row to the table
    tesla_revenue_data.append({"Date":date, "Revenue":revenue})
tesla_revenue = pd.DataFrame(tesla_revenue_data)
print(tesla_revenue)
```

Python

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```

Python

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

## 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-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/revenue.html> Save the text of the response as a variable named `html_data`.

```
from bs4 import BeautifulSoup # this module helps in web scrapping.
import requests

url='https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/revenue.html'
html_data=requests.get(url).text
html_data
```

[7] ✓ 1.8s Python

... '<?xml version="1.0" encoding="UTF-8" standalone="yes"?><Error><Code>NoSuchKey</Code><Message>The specified key does not exist.</Message><Resource>/cf-courses-data/IBMDeveloperSkillsNei

Parse the html data using `beautiful_soup`.

```
soup = BeautifulSoup(html_data,'html.parser')
soup
```

[8] ✓ 0.0s Python

... [c:\python\lib\html\parser.py:170](#): XMLParsedAsHTMLWarning: It looks like you're parsing an XML document using an HTML parser. If this really is an HTML document (maybe it's XHTML?), you  
k = self.parse\_starttag(i)

... <?xml version="1.0" encoding="UTF-8" standalone="yes"?><error><code>NoSuchKey</code><message>The specified key does not exist.</message><resource>/cf-courses-data/IBMDeveloperSkillsNeti