

[14]: df.to_json(r'File Name.json')

Question 1 Print out the output of the following line, and remember it as it will be a quiz question:

- [15]: df[101:124]
- [15]: Rank Bank name Market cap(US\$ billion)

Scraping the Data

Question 2 Using the contents and beautiful soup load the data from the By market capitalization table into a pandas dataframe. The dataframe should have the country Name and Market Cap (US\$ Billion) as column names. Display the first five rows using head.

Using BeautifulSoup parse the contents of the webpage.

[16]: #Replace the dots below soup=print(df.head())

```
        Rank
        Bank name
        Market cap(US$ billion)

        0
        1
        JPMorgan Chase
        387.492

        1
        2
        Industrial and Commercial Bank of China
        345.292

        2
        3
        Bank of America
        325.331

        3
        4
        Wells Fargo
        388.013

        4
        5
        China Construction Bank
        257.393
```

Load the data from the By market capitalization table into a pandas dataframe. The dataframe should have the country Name and Market Cap (US\$ Billion) as column names. Using the empty dataframe data and the given loop extract the necessary data from each row and append it to the empty dataframe.

Question 3 Display the first five rows using the head function.

[24]: #Write your code here
print(df.head())

```
        Rank
        Bank name
        Market cap(US$ billion)

        0
        1
        JPMorgan Chase
        387.492

        1
        2
        Industrial and Commercial Bank of China
        345.214

        2
        3
        Bank of America
        325.331

        3
        4
        Wells Fargo
        308.013

        4
        5
        China Construction Bank
        257.392
```

Loading the Data

Usually you will Load the pandas dataframe created above into a JSON named bank_market_cap.json using the to_json() function, but this time the data will be sent to another team who will split the data file into two files and inspect it. If you save the data it will interfere with the next part of the assignment.

Did you know? IBM Watson Studio lets you build and deploy an AI solution, using the best of open source and IBM software and giving your team a single environment to work in. Learn more here.

[25]: #Write your code here
print(df)

	Rank	Bank name	Market cap(US\$ billion)
0	1	JPMorgan Chase	387.492
1	2	Industrial and Commercial Bank of China	345.214
2	3	Bank of America	325.331
3	4	Wells Fargo	308.013
4	5	China Construction Bank	257.399
65	66	Ping An Bank	37.993
66	67	Standard Chartered	37.319
67	68	United Overseas Bank	35.128
68	69	QNB Group	33.560
69	70	Bank Rakyat Indonesia	33.081

[70 rows x 3 columns]

Authors

Ramesh Sannareddy, Joseph Santarcangelo and Azim Hirjani

Other Contributors

Rav Ahuja

Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2020-11-25	0.1	Ramesh Sannareddy	Created initial version of the lab

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