



Online Degrees and Postgraduate x Coursera | Online Courses From x Hands-on Lab: Analyzing Histor x Skills Network Labs x Inbox - devikabylapudi228@gmail.com x

labs.cognitiveclass.ai/v2/tools/jupyterlab?ulid=ulid-dc14633cdced674ba99df0ef610cb50132a2e27c

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OPEN TABS

WebScraping\_Review\_Lab.i...  
Final\_Assignment Library.ip...  
Final Assignment Webscrap...  
Final Assignment.ipynb

KERNELS

Final Assignment Webscrap...  
WebScraping\_Review\_Lab.i...  
Final\_Assignment Library.ip...  
Final Assignment.ipynb

TERMINALS

Close All

Shut Down All

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WebScraping\_Review\_Lab.i... Final\_Assignment Library.ip... Final Assignment Webscrapi... Final Assignment.ipynb

Python

Found existing installation: nbformat 5.1.0  
Uninstalling nbformat-5.1.0:  
Successfully uninstalled nbformat-5.1.0  
Successfully installed nbformat-5.2.0

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.

[15]: `tesla_data = Tesla.history(period="max")`  
`tesla_data.head()`

[15]:

	Open	High	Low	Close	Volume	Dividends	Stock Splits
Date							
2010-06-29	1.266667	1.666667	1.169333	1.592667	281494500	0	0.0
2010-06-30	1.719333	2.028000	1.553333	1.588667	257806500	0	0.0
2010-07-01	1.666667	1.728000	1.351333	1.464000	123282000	0	0.0
2010-07-02	1.533333	1.540000	1.247333	1.280000	77097000	0	0.0
2010-07-06	1.333333	1.333333	1.055333	1.074000	103003500	0	0.0

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.

[16]: `tesla_data.reset_index(inplace=True)`  
`tesla_data.head(5)`

[16]:

	Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
0	2010-06-29	1.266667	1.666667	1.169333	1.592667	281494500	0	0.0

Simple 0 \$ 4 Fully initialized Python | Idle Mem: 528.60 / 6144.00 MB Mode: Command Ln 1, Col 1 English (United States) Final Assignment.ipynb 1

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TERMINALS Shut Down All

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Python

2010-07-06 1.333333 1.333333 1.055333 1.074000 103003500 0 0.0

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.

[16]: tesla\_data.reset\_index(inplace=True)  
tesla\_data.head(5)

[16]:

	Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
0	2010-06-29	1.266667	1.666667	1.169333	1.592667	281494500	0	0.0
1	2010-06-30	1.719333	2.028000	1.553333	1.588667	257806500	0	0.0
2	2010-07-01	1.666667	1.728000	1.351333	1.464000	123282000	0	0.0
3	2010-07-02	1.533333	1.540000	1.247333	1.280000	77097000	0	0.0
4	2010-07-06	1.333333	1.333333	1.055333	1.074000	103003500	0	0.0

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.htm> Save the text of the response as a variable named html\_data .

[ ]:

Parse the html data using beautiful soup .

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