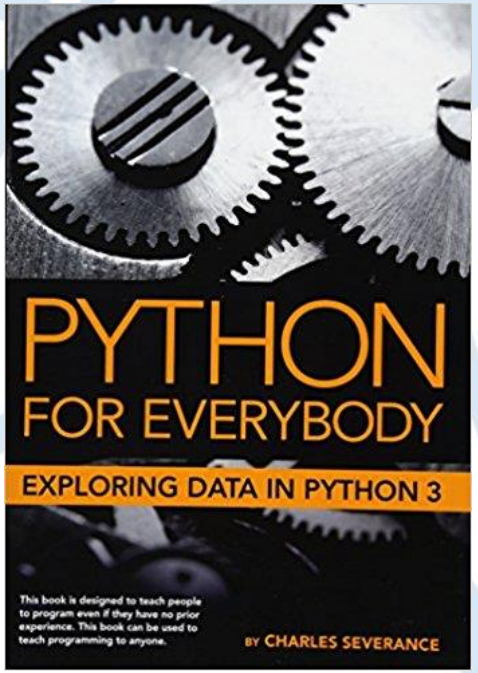
UNIVERSITY OF TEXAS ARLINGTON

jupyter

Project Tutorial



INSY 5336: Python Programming

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Project Tutorial

Introduction

- This tutorial gives examples on how to execute the Fall 2019 INSY5336-001 project
- The slides only contain examples of how to go about executing the project
- The code can be reused but submitting just this code will not get you any points.
- You have to add a lot more code to complete the project

Extracting source code for hotstocks

- The requests library is used to make http requests in python
- It abstracts a lot of the complexities in extracting html source code from websites

```
from urllib.request  import urlopen
import requests

myurl='https://money.cnn.com/data/hotstocks/'
hotstocks_handle  = requests.get(myurl)
hotstocks_text  = hotstocks_handle.text
#print(hotstocks_text)
```

Extracting source code for individual tickers

- This code extracts the html source code for each ticker symbol that is stored in a list
- Use the format command to replace each ticker symbol

```
from urllib.request  import urlopen
import requests

mytickerlist=['GE','AMD','F']
tickerurl =
'https://finance.yahoo.com/quote/{myticker}?p={myticker}&.tsrc=f
in-srch-v1'
for ticker in mytickerlist:
    mystock_handle=requests.get(tickerurl.format(myticker =
ticker))
    mystock_text  = mystock_handle.text
```

Acknowledgements/Contributions


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