

Introduction

- What is an API?
 - <https://www.codecademy.com/articles/what-is-rest>
- JSON
 - Example:

```
{  
  "Title": "The Cuckoo's Calling"  
  "Author": "Robert Galbraith",  
  "Genre": "classic crime novel",  
  "Detail": {  
    "Publisher": "Little Brown"  
    "Publication_Year": 2013,  
    "ISBN-13": 9781408704004,  
    "Language": "English",  
    "Pages": 494  
  }  
  "Price": [  
    {  
      "type": "Hardcover",  
      "price": 16.65,  
    }  
    {  
      "type": "Kindle Edition",  
      "price": 7.03,  
    }  
  ]  
}
```

Diagram illustrating JSON structure with annotations:

- Object Starts (at the root {)
- Object Starts (for the "Detail" object)
- Value string (for "Publisher": "Little Brown")
- Value number (for "Publication_Year": 2013)
- Object ends (for the "Detail" object)
- Array starts (for the "Price" array)
- Object Starts (for the first price object)
- Object ends (for the first price object)
- Object Starts (for the second price object)
- Object ends (for the second price object)
- Array ends (for the "Price" array)
- Object ends (for the root object)

Requests Library

- Documentation: <https://2.python-requests.org/en/master/>
- Helpful Guide: <https://realpython.com/python-requests/>
- Weather API: <https://openweathermap.org/current>

ATTOM API

- Documentation: <https://api.developer.attomdata.com/home>
- First sign up and get API key

Pandas Datareader

- Links:
 - Documentation: <https://pandas-datareader.readthedocs.io/en/latest/index.html>
 - Data Readers: <https://pandas-datareader.readthedocs.io/en/latest/readers/index.html>
 - Data Reader Examples:
https://pandas-datareader.readthedocs.io/en/latest/remote_data.html

Yahoo Finance

- Yahoo Finance Library:
 - <https://pypi.org/project/yfinance/>