Extracting Data from JSON

The program will prompt for a URL, read the JSON data from that URL using **urllib** and then parse and extract the comment counts from the JSON data, compute the sum of the numbers in the file.

This course uses a third-party tool, Extracting Data from JSON, to enhance your learning experience. The tool will reference basic information like your name, email, and Coursera ID.

I, **Ishaan Narula**, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

Learn more about Coursera's Honor Code

Open Tool

Done

Welcome Ishaan Narula from Using Python to Access Web Data

Extracting Data from JSON

In this assignment you will write a Python program somewhat similar to http://www.py4e.com/code3/json2.py. The program will prompt for a URL, read the JSON data from that URL using **urllib** and then parse and extract the comment counts from the JSON data, compute the sum of the numbers in the file and enter the sum below:

We provide two files for this assignment. One is a sample file where we give you the sum for your testing and the other is the actual data you need to process for the assignment.

- Sample data: http://py4e-data.dr-chuck.net/comments_42.json (Sum=2553)
- Actual data: http://py4e-data.dr-chuck.net/comments_913450.json (Sum ends with 69)

You do not need to save these files to your folder since your program will read the data directly from the URL. **Note:** Each student will have a distinct data url for the assignment - so only use your own data url for analysis.

Data Format

The data consists of a number of names and comment counts in JSON as follows:

```
{
  comments: [
    {
      name: "Matthias"
      count: 97
    },
    {
      name: "Geomer"
      count: 97
    }
    ...
  ]
}
```

Select Language ▼

The closest sample code that shows how to parse JSON and extract a list is json2.py. You might also want to look at geoxml.py to see how to prompt for a URL and retrieve data from a URL.

Sample Execution

Sample Execution

```
$ python3 solution.py
Enter location: http://py4e-data.dr-chuck.net/comments_42.json
Retrieving http://py4e-data.dr-chuck.net/comments_42.json
Retrieved 2733 characters
Count: 50
Sum: 2...
```

Turning in the Assignment

Enter the sum from the actual data and your Python code below:

Sum: (ends with 69) Submit Assignment

Python code: