Welcome Stephanie from Using Python to Access Web Data  Exit

Extracting Data from JSON

In this assignment you will write a Python program somewhat similar to http://www.pythonlearn.com/code/json2.py (http://www.pythonlearn.com/code/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://python-data.dr-chuck.net/comments_42.json (http://python-data.dr-chuck.net/comments_42.json) (Sum=2482)
- Actual data: http://python-data.dr-chuck.net/comments_211812.json (http://python-data.dr-chuck.net/comments_211812.json) (Sum ends with 82)

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
    }
    ...
  ]
}
```

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

Sample Execution

```
$ python solution.py
Enter location: http://python-data.dr-chuck.net/comments_42.json
Retrieving http://python-data.dr-chuck.net/comments_42.json
Retrieved 2733 characters
Count: 50
Sum: 2482
```

Turning in the Assignment

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

Sum: (ends with 82) Submit Assignment

Python code: