**Calling a JSON API**

In this assignment you will write a Python program somewhat similar to<http://www.pythonlearn.com/code/geojson.py>. The program will prompt for a location, contact a web service and retrieve JSON for the web service and parse that data, and retrieve the first **place\_id** from the JSON. A place ID is a textual identifier that uniquely identifies a place as within Google Maps.

**API End Points**

To complete this assignment, you should use this API endpoint that has a static subset of the Google Data:

[http://python-data.dr-chuck.net/geojson?](http://python-data.dr-chuck.net/geojson)

This API uses the same parameters (sensor and address) as the Google API. This API also has no rate limit so you can test as often as you like. If you visit the URL with no parameters, you get a list of all of the address values which can be used with this API.

To call the API, you need to provide a **sensor=false** parameter and the address that you are requesting as the **address=** parameter that is properly URL encoded using the **urllib.urlencode()** fuction as shown in<http://www.pythonlearn.com/code/geojson.py>

**Test Data / Sample Execution**

You can test to see if your program is working with a location of "South Federal University" which will have a**place\_id** of "ChIJJ8oO7\_B\_bIcR2AlhC8nKlok".

$ python solution.py

Enter location: South Federal University

Retrieving http://...

Retrieved 2101 characters

Place id ChIJJ8oO7\_B\_bIcR2AlhC8nKlok

**Turn In**

Please run your program to find the **place\_id** for this location:

Saint Petersburg State University of Aerospace Instrumentation

Make sure to enter the name and case exactly as above and enter the **place\_id** and your Python code below. Hint: The first seven characters of the **place\_id** are "ChIJQao ..."

Make sure to retreive the data from the URL specified above and **not** the normal Google API. Your program should work with the Google API - but the **place\_id** may not match for this assignment.

Top of Form

place\_id:  

Bottom of Form