**Application for utilizing ‘Personality Insights’ Watson API**

**Objective:** Create a program that accepts a twitter handle and the LinkedIn profile of a person, retrieves a maximum of 50 tweets from that handle, pass it to the Watson personality Insights API and get the personality characteristics.

**Requirements:**

1. Python Libraries required: webbrowser, os, json, tweepy, BeautifulSoup4, watson\_developer\_cloud, selenium, codecs
2. Download Chromedriver from <http://chromedriver.storage.googleapis.com/2.9/chromedriver_win32.zip>

(For Windows, for linux download the same for the appropriate distribution). Extract this and place it in <Install Dir>/Python<Version>/Scripts/

1. Mozilla Firefox browser.

**Procedure:**

1. Create an application on twitter (<https://apps.twitter.com/>) and obtain Twitter API

credentials**.**

The values will be used in:

1. Obtain credentials for Personality Insights API provided by IBM Watson

These credentials will be used in:

1. Fill your linkedin credentials here:
2. To run the program, navigate to the folder containing **test.py**. First argument is the linkedin id of the user while the second argument is his twitter handle:

**Notes:**

1. Specify the path of firefox executable in **firefox\_path**  variable:
2. In case you aren’t able to obtain the tweets in **my\_tweets.csv.txt,** there’s a chance that the person’s tweets are protected i.e they can’t be downloaded. An example of this is Paul Coelho’s tweets.
3. Right now the program only sends the tweets for analysis. In case you have a pre-exisiting text file which contains data and you want to send this to personality insight API for analysis, place **<your\_file\_name>.txt** in **python\_pi** directory. And edit the following, adding your filename in the placeholder:
4. A file **playaround.py**  is provided which was an attempt to directly fetch profile data from linkedin is provided. There are errors in it, try to solve them!
5. Thanks to the following without whom this program wouldn’t work:

<https://github.com/watson-developer-cloud/python-sdk>

<https://github.com/gitlaura>

<https://github.com/personality-insights/sunburst-chart>