

## CS432 Assignment 2

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### Question 1:

After running the necessary steps to install Tweepy and getting the proper keys and tokens, I modified the code from <http://adilmoujahid.com> to output an expanded URL instead of the entire tweet and its information in text format. At first, after using information and examples from stack overflow I could only display the t.co link and the tweet itself.

The line of code that would display the tweets at first modification started as this:

```
print '@%s: %s' % (decoded['user']['screen_name'], decoded['text'].encode('ascii', 'ignore'))
```

Which would output this:

```
@Sandy_Beach3001: KANYE WEST MK ULTRA PROGRAMMING ERASED! ILLUMINATI MEMORY  
LOSS MIND CONT... https://t.co/nJfdGukL3y via @YouTube
```

It was then modified again to:

```
print decoded['text'].encode('ascii', 'ignore')
```

Which would output this:

```
GB programming ALL DAY. #GoPackGo https://t.co/Nm3J5JNW4w
```

The python file was still outputting more information than I wanted and would only display the shortened t.co urls. After looking online it was discovered that expanded urls would be what was needed, and to so all the shortened t.co links would have to be assigned to a variable and run through a loop to be expanded. Doing that and printing the expanded links ended up looking like:

```
tweeter = json.loads(data)  
  
for url in tweeter["entities"]["urls"]:  
    print "%s" % url["expanded_url"] + "\r\n"
```

The new line command was added for formatting purposes so it would look neat when uploaded to a text file. The output then would look like:

```
https://vimeo.com/203671501  
http://youtu.be/r7c3SH5WIMQ?a  
https://twitter.com/bgwebseries/status/832048421225783296  
http://www.reddit.com/r/EarthPorn/comments/5ui0pl/the_devils_teeth_senja_norway_oc5369x2938/
```

The python file was run until there were over 1000 links, using putty and the command:

```
python atwo.py > twitter_data.txt
```

I went through the file and deleted all the links that went back to twitter.

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### Question 2:

I attempted to input my list into a new python file that would run through the ODU Memento Aggregator. How the code was supposed to work is that it would open up the file, loop through and curl through every line to find the number of mementos for every link. The process is simplified with this pseudo-code.

```
import commands
import re
import json
import linecache

for line in "twitter_data.txt":
    counter = 1
    if counter < 1001:
        command = " curl - T " + linecache.getline('twitter_data.txt', counter)
```

I looked at the github of bear/python-twitter and Benzid Wael at wordpress for information on memento aggregators.

### Question 3:

I could not get the carbon date tool to work, I couldn't download it or run it online. How I would estimate the code would work is that I would input the dates of all my links go from there.