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#####
# Katrina Brundage #
# www.KatrinaBrundage.com/portfolio #
# Business Analytics Portfolio #
# Twitter Data Mining Python program #
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#import needed libraries
import twitter
import json
import collections

#Twitter API login information (API keys omitted for privacy)
CONSUMER_KEY = #'insertyourkeyhere'
CONSUMER_SECRET = #'insertyourkeyhere'
OAUTH_TOKEN = #'insertyourkeyhere'
OAUTH_TOKEN_SECRET = #'insertyourkeyhere'

auth = twitter.oauth.OAuth(OAUTH_TOKEN, OAUTH_TOKEN_SECRET, CONSUMER_KEY, CONSUMER_SECRET)
twitter_api = twitter.Twitter(auth=auth)

#Displays that the twitter_api except is now a defined variable
print twitter_api

#Retrieve last 10 tweets from @KBrun13
katrina='@KBrun13'
numberOfTweets=10
search_results=twitter_api.search.tweets(q=katrina,count=numberOfTweets)
statuses1=search_results['statuses']
print json.dumps(statuses1, indent=1)

#@Retrieve last 100 tweets from @ReInventLaw
reinventlaw='@ReInventLaw'
numberOfTweets=100
search_results=twitter_api.search.tweets(q=reinventlaw,count=numberOfTweets)
statuses2=search_results['statuses']
print json.dumps(statuses2, indent=1)

#Combine results from two data sets.
statuses=statuses1+statuses2

#Extracting text from tweets:
status_texts=[status['text'] for status in statuses]
words=[w
        for t in status_texts
        for w in t.split()]

#Find the most used words in the collected tweets
for item in [words]:
    c=collections.Counter(item)
    print "Top 5 most used words:"
    print c.most_common()[:5] #top 5 most used words
    print
```