```
Python 3.7.4 (default, Aug  9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.
```

In [**1**]:   *'C:/Users/osull/Documents/GitHub/CF_LO_NewsScraping/news-scraping-exercise/CF_LO_news_reuters.py'*   =*'C:/Users/osull/Documents/GitHub/CF_LO_NewsScraping/news-scraping-exercise'*

```
==============================
|   Bad Ozone Grasshoppers    |
==============================
Executing using Chrome webdriver
Chrome Driver not found...installing locally...
161 articles loaded from news_dump_object.json
Getting Reuters articles...
0 new articles scraped
Saving news object...
```

 Additional Analysis added by Secret Squirrels

 Typical methods for news article analysis is to look at the Polarity, Objectivity or Subjectivity and the number of times of occurrence for key words, referred to as "Mentions. Also an overall sentiment analysis gives an impression of the news (positive or negative)."

- OBJECTIVITY measures how objective or subjective a sentence is. A Subjective statement relates to personal perspectives or feelings whereas an objective statement is considered based on irrefutable facts. A value of Zero (0) would be COMPLETELY OBJECTIVE and a measure of 1 is COMPLETELY SUBJECTIVE.
- POLARITY measures how positive or negative the "feeling" of the sentance is. Polarity is measured on a scale from -1 ("bad" feelings) to +1 ("good" feelings).
- MENTIONS - This computation is simply the number of sentences that contain the key word. This gives an overall appreciation of how much a topic is discussed.
- SENTIMENT - A measure of sentiment is based on the two components of objectivity and polarity. The exact way sentiment is measured is unique based on how the coder writes the script. In general, it is presumed to be "a good rule of thumb" to place a higher weight on sentences that are more subjective (because facts technically are irrefutable (let us put aside the recent "Fake News" trend for now). As such, we chose to define sentiment as:
        Average sentiment = [Objectivity*Polarity]/total # of observations

Each time the query is run, the reader can make their own determination based on the key information above of the Polarity, Subjectivity or Objectivity, the amount the topic is discussed, and the overall Sentiment of the topic.

```
Trump Coronavirus Polarity: 0.0115219141525673
Trump Coronavirus Sujectivity: 0.3110606277313381
Trump Coronavirus Mentions: 14
Trump Coronavirus Sentiment: -0.003810563037587522

Biden Coronavirus Polarity: -0.08922696028391229
Biden Coronavirus Sujectivity: 0.5317194928494747
Biden Coronavirus Mentions: 3
Biden Coronavirus Sentiment: -0.09047813799365036

China Coronavirus Polarity: -0.026961442878431798
China Coronavirus Sujectivity: 0.26833238542007354
China Coronavirus Mentions: 13
```

```
China Coronavirus Sentiment: -0.018739301362121874

Russia Coronavirus Polarity: 0.24486218290566114
Russia Coronavirus Sujectivity: 0.5681358094401572
Russia Coronavirus Mentions: 2
Russia Coronavirus Sentiment: 0.15565669027057202
```

In [2]: