Collecting Data:

From Worldometer, using the Requests module I was able to send the URL to be accessed and then use BeautifulSoup to help in handling the HTML website. BeautifulSoup helped in parsing through the HTML to find the table we wanted. Looping through each row of the table until the country wanted was found and extracting the data for the specified country. With NYTimes the data had to be handled a bit differently since the HTML was different and the data was not all on the same webpage. The html5lib module had to be used and an HTML file was to be created to parse through the data and extract the data wanted for the specified country. The data was then sent to the JSON module to be organized and written as a JSON.

JSON organization:

The JSON is organized firstly by country. Each country is broken up by the date it was run in the format of “MM/DD/YYYY”. It is then broken up by the website, which is NYTimes or Worldometer. After that, we have the 3 quantities of interest which are “daily death”, “cumulative death”, and “normalized cumulative death”.