**Assignment Description:** *Part 2****:*** Write a description of what you thought about when you were designing the code.  What did \*you\* think was important to do to make it easy to test the program.  What are some of the challenges that you faced when testing this assignment.

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**Description:** While working through this code I first needed to make sure that I had a good understanding of what exactly the goal of the program was. Once I was comfortable with my understanding of the function’s goal, I decided that I needed a test that would determine if the function correctly parsed the Github API json objects to find all the repo names and the associated number of commits. Since the function had to output a list of a user’s repos and commits, I concluded that if I can test the output of the function then this would validate that the function correctly parsed through the json objects. With this test idea in mind, I would have to design the function so that it returned objects that I could compare against my expected output.

One of the largest challenges that I found I had to deal with was deciding what I can use as a “sample” repo to test the function against. I initially thought that I could use my own Github account as a test account, but the issue there was that since I would be actively committing to my repos, I would also have to actively update the expected number of commits and/or repo names in my test case, which would not make for an efficient automated test case. Ultimately, I decided that I would create a “test/dummy” account on Github that I can use to test the function against. With this test account, I was able to have control the number and name of repos, the number of commits to each repo, and have the comfortability that there would be no active changes occurring in that account.

**Honor Pledge:**

I pledge my honor I have abided by the Stevens honor system.