At the begging of the task, I analyze the requirements and separate the program into 3 part, Input, dataproccess, output. After finishing the whole program, I try to refactor it by dividing data processing into 3 detailed functions, which makes testing more clearly and more accuracy.

However, when testing the program, I meet a challenge that due to the API depending on Github, there is a "API rate limit exceeded" problem. So I add different situation case into my code. 1.Not exceed. 2 Exceeded. And it allows me to set if/else function to pass the test. After the test was complete on the local computer, I try to deploy automate testing on Travis CI. During the deployment, another challenge happened, import module error. And I solved it by google solution and finding solution on the Travis CI official website.