

## Part 3 - Testing

The next step I took was to begin work on the AFL fuzzing tool. I compiled the program and used 'lcov' to take a closer look at how the reader executes. I noticed approximately half of the code is not covered. I then began to use AFL to test the reader. After a few hours there were over 60 crashes that were saved. I included three of these as part of the fuzzer generated gift cards. The rest of the data generated by the fuzzer did not contain any human-readable information. At that point, I was unsure of how to proceed further so my best attempt at completing this assignment was to attempt to run the generated files.