* Briefly summarize your client, Artemis Financial, and their software requirements. Who was the client? What issue did they want you to address?
  + Atremis Financial is a company handling funds and portfolios for individual clients around the country and trading in markets around the world. The issue they wanted addressed was a secure cipher algorithm for secure communication between them and their clients.
* What did you do very well when you found your client’s software security vulnerabilities? Why is it important to code securely? What value does software security add to a company’s overall wellbeing?
  + I was able to identify their vulnerabilities by just using some real world security concerns that people are facing everyday with technology, it’s important to code securely because now everything runs with a computer and program of some sort and therefore makes everything vulnerable to incursion by anyone looking to access it. Software security adds to a company’s well being by providing a level of protection for themselves and anyone using their product.
* What part of the vulnerability assessment was challenging or helpful to you?
  + The vulnerability assessment as a whole was a challenge for me because I’ve never seen this before and have never learned anything about it before either. Learning this from a book and google searches or asking things on forums is not very conducive to learning something this technical.
* How did you increase layers of security? In the future, what would you use to assess vulnerabilities and decide which mitigation techniques to use?
  + To increase layers of security you ensure first that everyone is not providing someone with the opportunity to access the program and just letting them in. After that ensuring the program itself is not easily hackable, some would believe that there are things that cannot be accessed without the proper access to it but anything today can be hacked or accessed with time.
* How did you make certain the code and software application were functional and secure? After refactoring the code, how did you check to see whether you introduced new vulnerabilities?
  + To make sure the code was secure and functional I just followed the instructions provided to create a cipher algorithm that would require the correct access. To ensure that it was functional I used the vulnerability report to reduce all of the false positives that were shown in the report.
* What resources, tools, or coding practices did you use that might be helpful in future assignments or tasks?
  + I used some of the tutors but they had no idea really how to help me. After that I reached out to my instructor and after that I used google, youtube, and some forums to try and get some answers.
* Employers sometimes ask for examples of work that you have successfully completed to show your skills, knowledge, and experience. What might you show future employers from this assignment?
  + From this assignment I would show them that I was able to do the minimum to accomplish what was asked for. Considering this was the first time I did it, I doubt it would be proficient.