This is a full list of my activities for the final project. First, I downloaded and extracted the KubeSec.zip file to my personal computer. Then I created the TEAMNAME-SQA2023-AUBURN repository and named my team and group members (I worked solo). My biggest challenge was creating a Git Hook that will run and report security weaknesses to csv file. I’ve tried to using CPPCheck but it failed repeatedly. I’ve consulted with my professor and was suggested to use Bandit instead. That succeeded and then I proceeded to modify my hook to create a csv file and write the security report onto the csv file.

For the methods I chose for the fuzz.py file, I chose 3 from an old python file from my undergraduate studies. It is a simple interest calculator that takes data from user input and calculates the interest rate. The first method asks the user to enter a number and then convert that number in an integer. The second method functions the same as the first method; the difference is that the input is turned into a float variable. The third method takes the data from the previous two inputs and perform calculates. The other two methods I chose are similar to the previous three. I decided to input random characters to determine results. For forensics, I decided to simply add comments into various py files in the repository.