We are doing this project in order to identify what an unknown executable does when opened. To aid in our investigation, we will find and use online reverse engineering tools, including disassemblers and decompilers. After using them, we will compile them in a list in which we describe where to find them, their ease of use, advantages, disadvantages, and lessons learned will using the program. Our initial investigation has led us to believe that this executable is either a simple calculator, malicious code, or a mix of both. If the code is a calculator, we will modify is so that is does a different function. If the code is malicious, we will isolate the dangerous code. We will do both modifications if the code is a calculator than has malicious code within it. To complete this project, we will meet both online as well as in person. To safety analyze the executable, we will use a Windows 10 virtual machine so that we do not risk infecting our own systems. We will start the project on October 21, 2020 and will finish by December 1, 2020.

We will submit a Progress Report to our client on October 29, 2020, documenting our initial findings and project plan. We will submit our final executable and final report, and present our findings, on December 1, 2020.