

## Project 1

Intro to Operating Systems  
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Project 1 was used to introduce us with a lot of things. Our goal was to install and learn CentOS which is a Linux based operating system.

In part 1 the goal was to install virtualbox (a VM) and to install CentOS. I had a lot of trouble at first installing CentOS, but after three attempts, I was able to get a working virtual linux machine. We then had to install the gcc compiler.

For part 2, we learned about the script command, which records the commands we type in the terminal. This was used to record our commands while we demonstrated our knowledge on how to use useful Linux commands. Then we were asked to save information about our machine using the terminal. We just saved text files that displayed various information about our VM.

For task 3, we were asked to write a c++ code that takes an array of 10 given numbers, calculates the average of the square roots, and prints it out. We then had to compile the code with the GCC compiler and make sure there were no errors, and then run the code. We then used the debugger. We wrote a file that added breakpoints to our C++ code, ran the debugger, and were able to stop at certain points of the code and debug it.

In Part 4, we learned how to use git. Git is very useful and has a lot of commands that help collaboration very easy. Once we learned and used all the git commands, while being recorded by a script, we were done with this step.

This was the end of the project. I then compressed the folders into a tar file for submission.

