

Programming Assignment 1

For this assignment, I used Raspberry Pi OS (formerly Raspbian) to test and compile my code. I used gcc to compile the code using the command: `gcc jh4411_<name>.c -o <name>`. This project felt like a good starting ground for this class. I did look at this [website](#) to help me code up the `execvp` function for that c file. I also really enjoyed writing the error checking for the exec program.

Now to talk about the fork program and how it behaved on the system. I ran two different tests on the file in the ordering of the two loops. One with the if conditional after the parent for loop and one with the if before the for loop. The parent and child loops worked as I expected in the first case with the parent executing first and then the child. In the second case, the two loops were intermingled and the child finished its loop first before the parent finished. Both cases were consistent when I ran the executable multiple times.