

## W 13 Activity: Files

### Challenges:

The first half of this assignment was fairly simple and straight forward, I didn't have any issues.

Of note, on the append program I did need to do some extra research to understand exactly what the `ecx` and `edx` registers were doing during the system call `sys_lseek` (19 in `eax`). As I now understand it, the `ecx` provides context to the `edx` register, so if `edx` is 2 (end of file), the `ecx` will set the cursor to: 1) a point beyond the end of the file if  $ecx \geq 1$ , 2) the end of the file if  $ecx = 0$ , or 3) a point somewhere in the middle of the file (or possible before the start of the file if the magnitude of `ecx` is large enough) when  $ecx \leq -1$ .