CSE 384 Lecture 19

3/25/20

A little bit more on Files, System calls, and redirection

- Open/Read/Write System Call (Geeks For Geeks example)
  - https://www.geeksforgeeks.org/input-output-system-calls-c-create-open-close-read-write/

- Files (FILE) in C, HW # 8 (C version) example
  - https://mwcorley79.github.io/MikeCorley/lecture18/readfile_block.c

- K&R C standard library (FILE) implementation example:
  - https://hikage.freeshell.org/books/theCprogrammingLanguage.pdf#page=128

- dup/dup2 System Call (Geeks For Geeks example)
  - https://www.geeksforgeeks.org/dup-dup2-linux-system-call/

Serialization Examples:

- Serialize and Persist C/C++ object state to binary files
  - https://mwcorley79.github.io/MikeCorley/lecture19/code/WriteReadstruct.cpp

- Serialize and Persist object state as strings (e.g. Could be XML/JSON etc.)
  - https://mwcorley79.github.io/MikeCorley/lecture19/code/serialize/serialize.cpp

Project # 1 : Discussion and Question

- exec() – replaces the current process image with a new process image.
  - is a family of functions
    - http://man7.org/linux/man-pages/man3/exec.3.html