CS 35L Final Exam Review

Main topics (not guaranteed to cover everything on the exam)

**Week 1**

-Basic concepts: OS, shell, program, process, kernel, etc…

-Soft Link vs Hard Link

-Permission

**Week 2**

-shell commands

**Week 3**

-compilation process

-compiled vs interpreted language

-python basics

**Week 4**

-Git

**Week 5**

- memory layout

-understanding of each part in memory layout

**Week 6**

-key encryption

-SSH

-digital signature

**Week 7**

-system calls vs library calls

**Week 8**

-multi-threading

-multi-tasking

-multi-processing

-race condition

**Week 9**

-pthread

**+ All Projects**