Week 6.b CS6640 10/12 2023 https://naizhengtan.github.io/23fall/

kernel ~= three handlers
egos syscall implementation
egos exception handling

pidzidx/idx2pid E #define [

ast time Carth.eff CPUZs earth.S: \_ enter Lo earth. C: main Einit HW7 C(28KBJ ( >> grass.eff grass. S: \_ enter Lo grass. C: main ESYSCalls7 Ls app.s : - enter La sys-proc. C: main Larys\_shell: main -> "cd" -> \$ (5,) 1. [Lernel ~ 3 handler Q: What're the 3 ways to trap to kernel? interrupts, exceptions, Syscalls



- Q: How does a CPU know what to execute when a interrupt is triggered?
- Q: How does kernel know which interrupt has been triggered?
- Q: After handling interrupts, where does CPU imp to?





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Z. egos-2Kt syscall implementation Q1: 545-inoker) grass QZ: Struct Gyscall (Syscall. h) SYSCALL - ARG (2 3 :3. exception handling. Q: Hon much Men "malloc" Can Jet? • 8 a B · 169B (2) 170 GB • 320 GB · 100 GB (2)