Interim summary

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Interim summary of lectures

1. Booting
   1. Initializing the system
   2. Create and running the first process

2. Process: pipe, fork, exec, shell

3. Memory
   1. Page table and virtual address
   2. Address mode: user mode, kernel mode and mode change

4. Changing the mode
   1. traps
   2. interrupt
   3. device driver
   4. system calls

5. Locks: spin lock
Homeworks

- We had five homeworks (and six more to come).
  - Understand the boot procedure and identify the kernel entry point.
  - Understand the system call procedure: setup trap frame and stack frame.
  - Understand the creation of address space: fork and exec
  - Understand the ‘map’ of address space.
Next

- 4 weeks
  - Call Stack
  - Scheduling
  - Filesystem design
  - Crash recovery

- 2 weeks
  - Understand the history of OS revolution and will cover the recent trend.

We hack.