fork()

- creates an exact copy of the process that called it

- child process, return value of fork (%orax) is 0

- parent process, ret value (%orax) contains the process ID of the child.
Scheduler

- there's a hardware clock
  - ticks (e.g.) 20 times/sec
- tick happens
  - current process stops
  - registers get saved
  - "scheduler" runs
- scheduler chooses one of the ready-to-run processes, restores its saved registers, and starts it running again.
exec replaces the code of the process that called it.