CS 208

Fri, 12 May 2023
OS
- Keeps a list of "running" processes
- Has a hardware clock that interrupts computation (~1/10 s) invokes the ...
- Scheduler. Picks a process from the list and runs it.
OS gives every process a file descriptor table.
OS gives every process a file descriptor table.
OS gives every process a file descriptor table.

```
int fd = open("elk.txt", "r");
printf("Hi\n");
```
OS gives every process a file descriptor table.

```c
int fd = open("elk.txt", "r");
printf("Hi\n");
```
OS gives every process a file descriptor table.

```c
int fd = open("emu.txt", O_WRONLY | O_CREAT | O_TRUNC);
dup2(fd, 1);
```
OS gives every process a file descriptor table.

```c
int fd = open("emu.txt", O_WRONLY | O_CREAT | O_TRUNC);
dup2(fd, 1);
```
OS gives every process a file descriptor table

```
int fd = open("emu.txt", O_WRONLY | O_CREAT | O_TRUNC);
dup2(fd, 1);
printf("\n");
close(fd);
```

`my program > emu.txt`
wanted

```
Stdin 0
->
STDOUT 1
->
STDOUT 2
```