


Recitation 5: Unix II

Plan

- Why this paper? II
- Process & fork
- Shell & demo
- Discussion

Logistics

- * Feedback form
feedback.henry.cs.com
- * Design project form
(submit today)
- * Hands-on assignment due
tomorrow 23:59 Boston time

Robert Morris (Sr.)

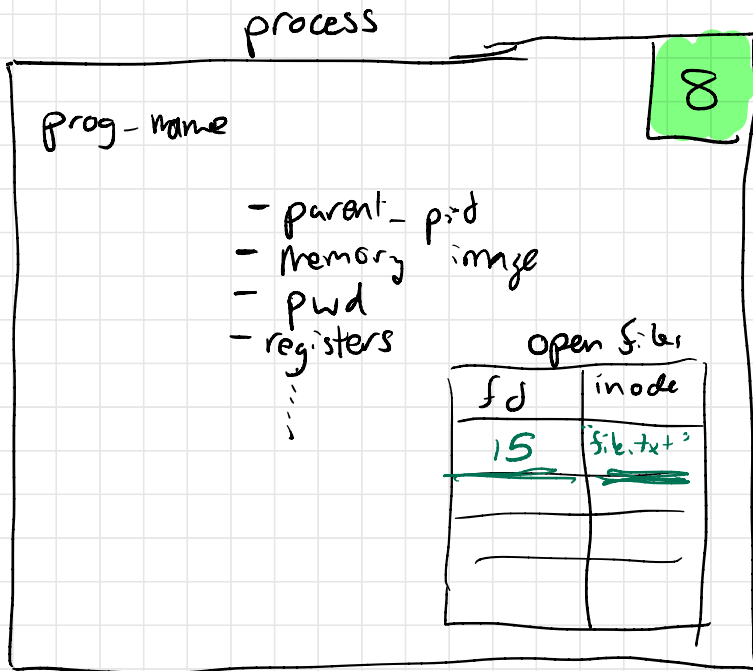
/etc/passwd

/etc/shadow

username shell real name

Hash(password)

Processes and Fork



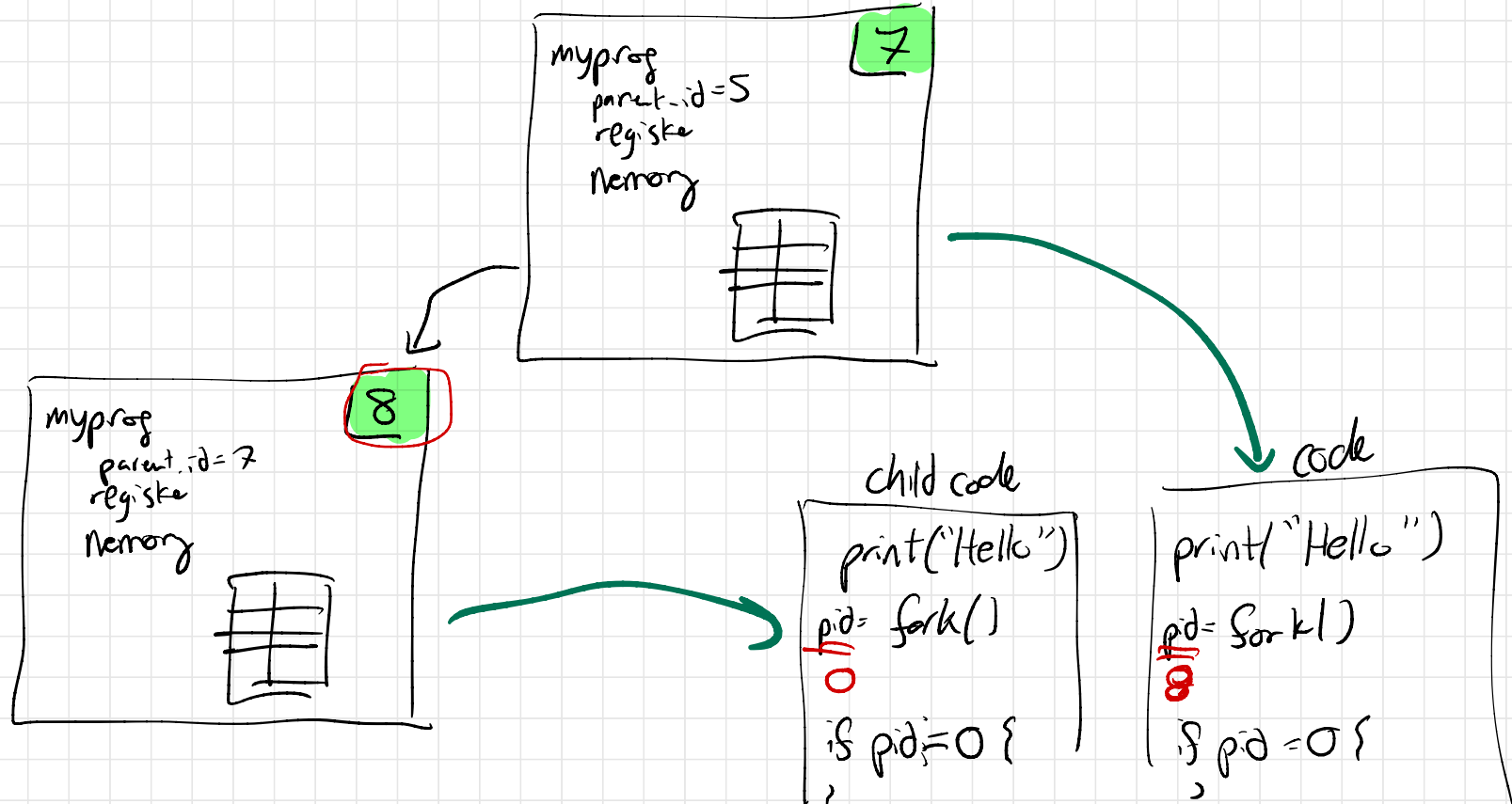
Open a file

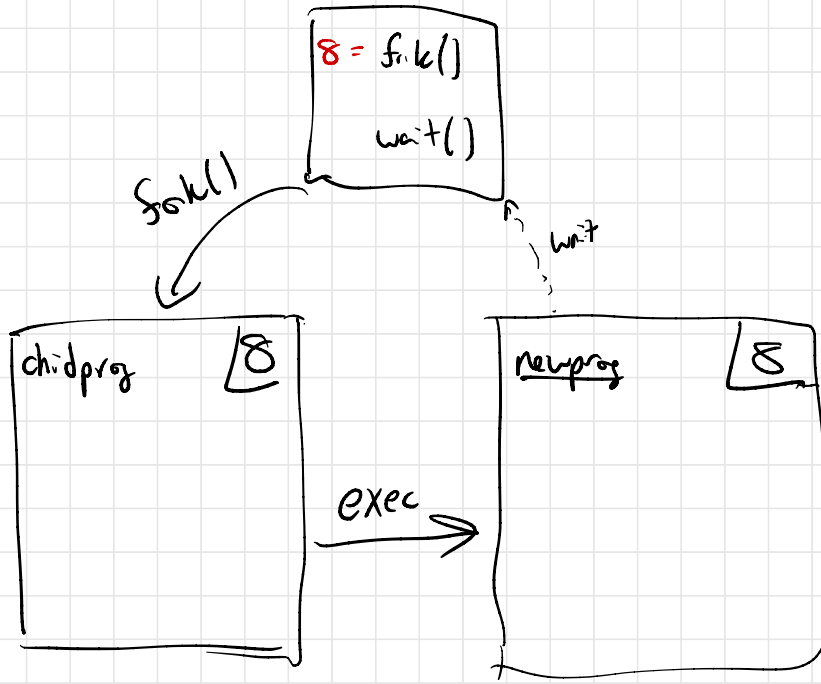
```
int fd = open("file.txt", "w");  
write(fd, "Hello world", 11);
```

Special file descriptors

0 = stdin ← terminal input
1 = stdout ← terminal output
2 = stderr ←

Forking a process





`exec("new prog")`

"Copy on write"

