

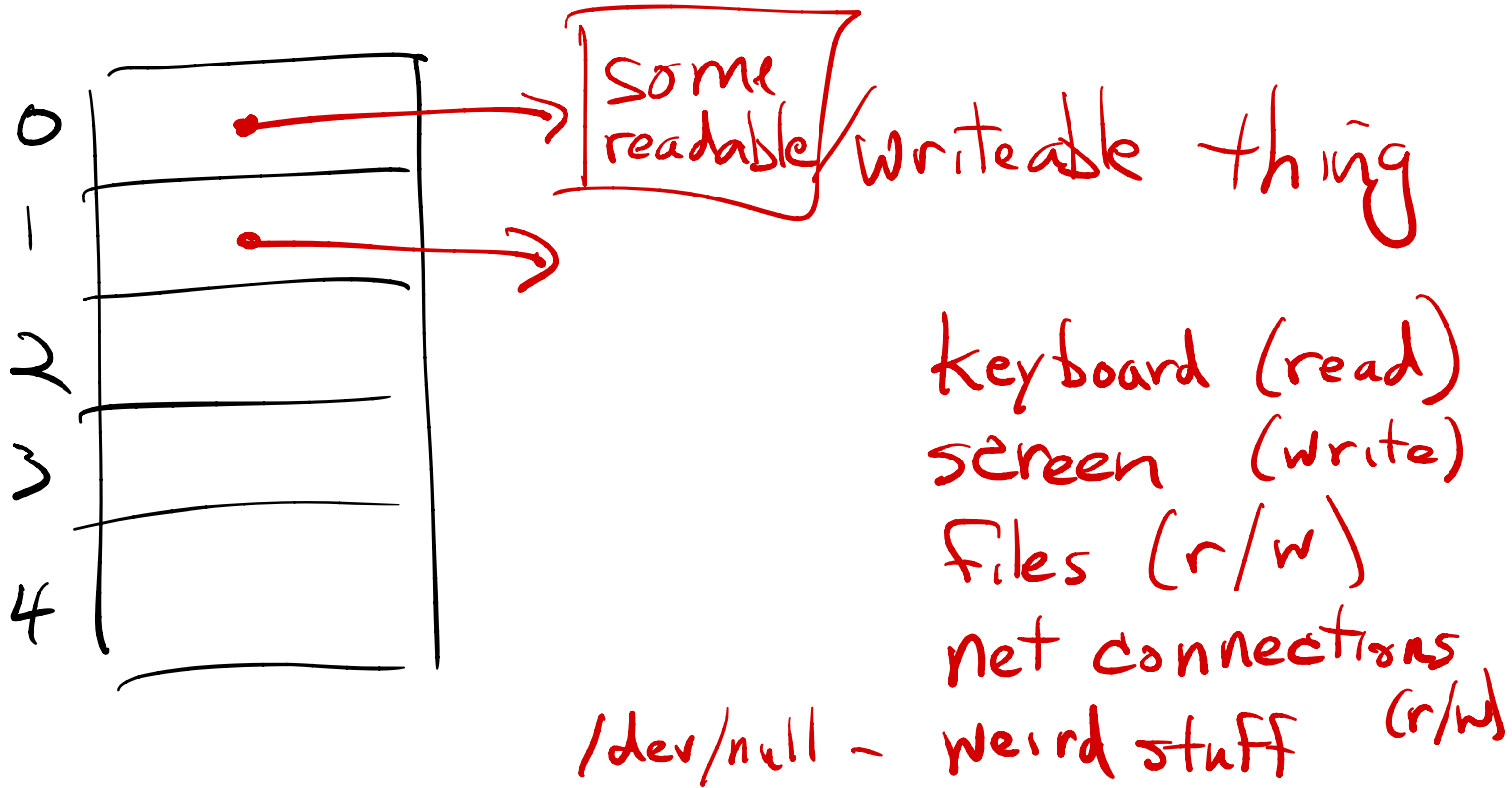
CS 208

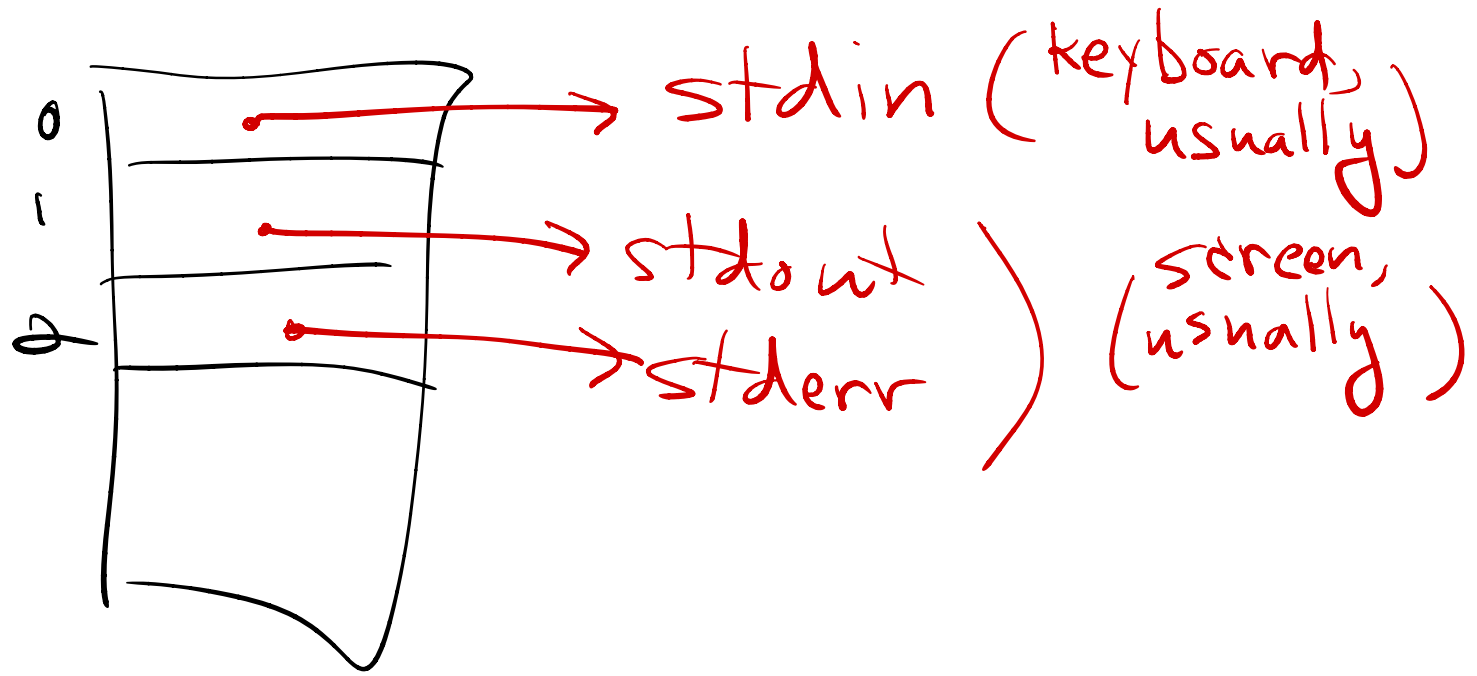
M, 10 Nov 2025

0644
octal

110	100	100
rw x	rw x	rw x
owner	group	other

Every process has its own "file descriptor table" (array)

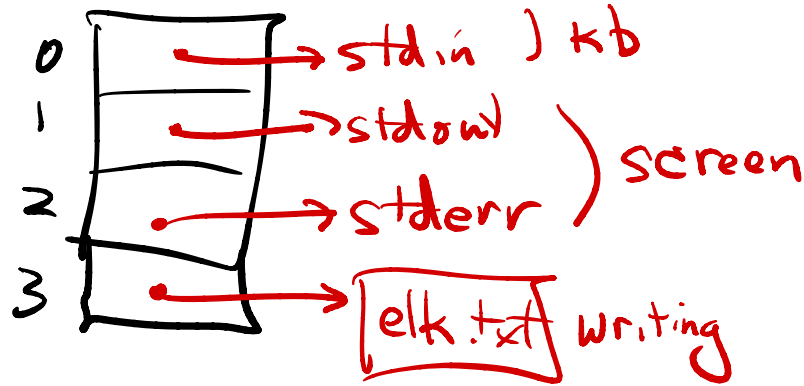




redirect. c

① open elk.txt write/creat/trunc

fd=3

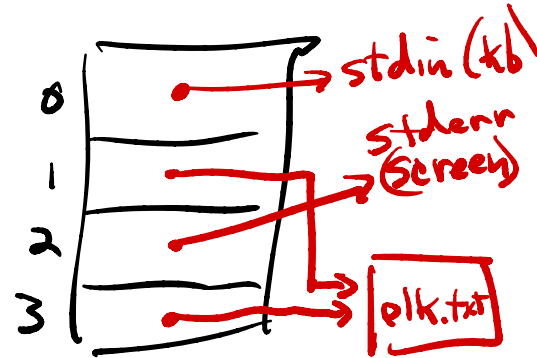


② dup2(fd, STDOUT_FILENO)

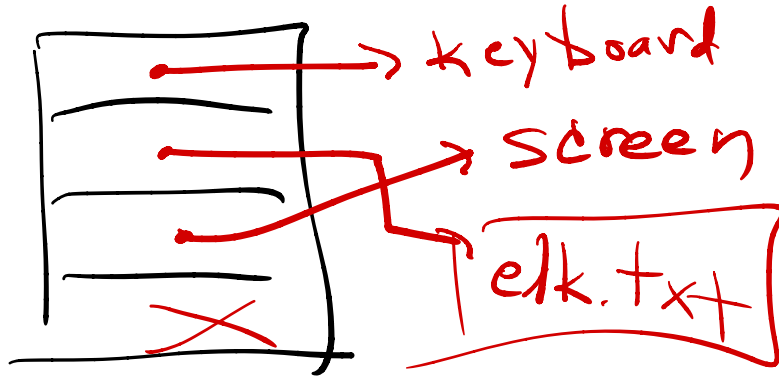
3

1

eg. From now on
printf → stdout → elk.txt



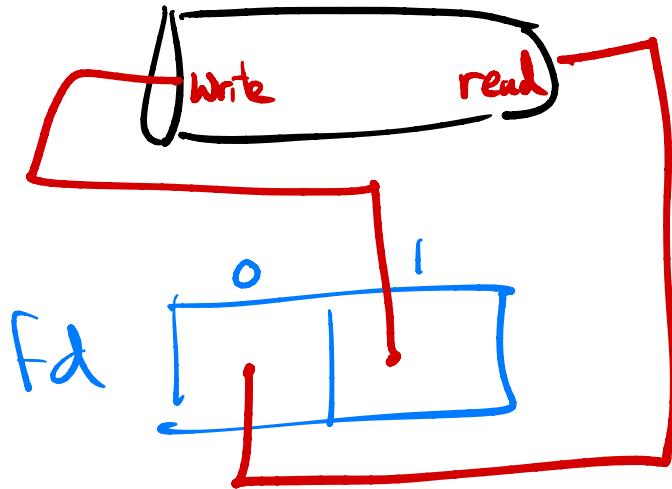
close(Fd)
3



```
int fd[2];
```

```
pipe(fd)
```

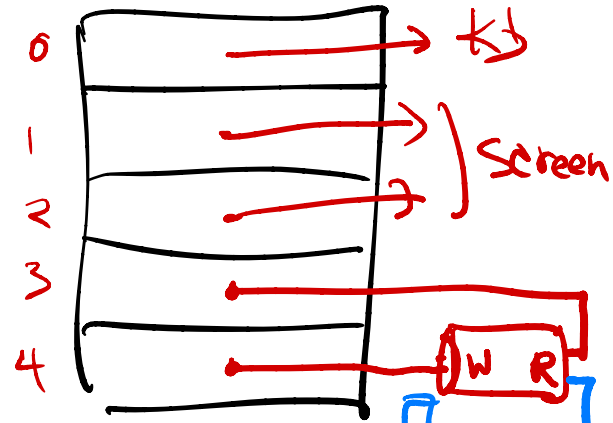
```
write(fd[1], "bat", 3)
```



```

int fd[2];
if (pipe(fd) < 0) {
    😞
}

```



want parent | child

parent stdout
child stdin