

open()

```
fd open(pathname, flags)
```

A per-process **open-file table** is kept in the OS

- ▶ upon a successful `open()` syscall, a new entry is added into this table
- ▶ indexed by **file descriptor (fd)**

To see files opened by a process, e.g. `init`

```
$ lsof -p 1
```

Why `open()` is needed?

To avoid constant searching

- ▶ Without `open()`, every file operation involves searching the directory for the file.