## SEMINAR 7 FILE AND FD ATTRIBUTES

## SHOWS INFO ABOUT FILE

#### INFO VIA SYSCALLS

- > STAT
- > FSTAT
- > LSTAT

#### TYPES OF FILES

- > REGULAR FILE
  - DIRECTORY
- > SYMBOLIC LINK
- > BLOCK AND CHARACTER DEVICES
  - > FIFOS AND SOCKETS

#### USEFUL CONSTANTS AND MAGROS

### ACCESS OFFERS SIMPLERWAY OF CHECKING PERMISSIONS

#### OTHER USEFUL SYSCALLS

- > LINK CREATE NEW HARD LINK
  - > UNLINK REMOVE
- > SYMLINK CREATE NEW SYMLINK
  - > READLINK READ SYMLINK
  - > MKDIR CREATE DIRECTORY
    - > TBC

#### OTHER USEFUL SYSCALLS (PART II)

- > RMDIR REMOVE EMPTY DIR
- > CHMOD CHANGE ACCESS MODE
  - > RENAME MOVE FILE

## FCNTL ALLOWS TOMANIPULATE FILEDESCRIPTORS

## TO OBTAIN EXCLUSIVE ACCESS

# RACE CONDITION