## POSIX

- Standard for operating systems
- Based on the design of UNIX
- Defines
  - System calls
  - Command line utilities
  - Filesystem Structure
  - Oses that try to confirm to POSIX
    - Linux
    - Mac 05
    - free BSD

File Systems

- Used for long-term strage of information
- Essential veguirements
  - Store a large amount of information
  - Informat survive when processes die and the computer is off
  - Multiple presses must be able to access the into at once
- Basiz model of a disk
  - Linear sequence of fixed-length blocks
    - Support 2 operations;
      - Read black i
      - Write Glock i

- Os provides abstractions to - locate information - protect information
  - Manage Free Space
  - File a logical unit of consistent information created by a prusy

- File system - the part of the OS that manages lifes

File haming

- Rostrichus are Gysten dependent

- Limit on length

- Limit on character set

- Case sensitivity

- Extensions

- Last part of a filename after a period

- Registered to applications at a lower level in Windows

- Convention in POSIX systems - used by applications, not the