Today:	7	
SFS API < SFS Impleme	T P C PMG C 1 10117	
APT: File		human-readable
byte and has low name (number	-level lov	nes -> L-level names
e.g. file "main.c" 10w-level #: 1000 directory: "main.c" -> 1000		
Access	Grow	write to
open close pread	open write. close purite	point in the file: 'Iseek
Delete unlink (s	system calls	

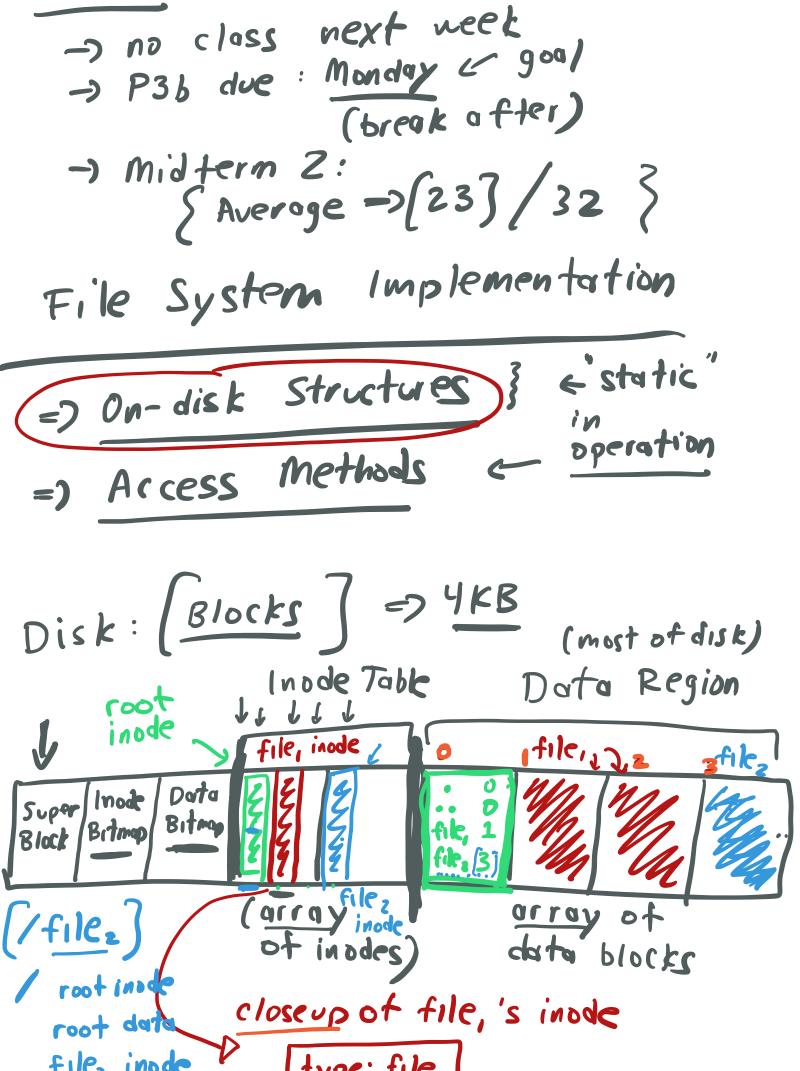
FS: tracks info about each file

"meta data" what info is there per file? Directory: just a special type of file metadata: inode contents of directory data: Dew "main.c Nipm all directories also store: -> inode # of -) inode # of parent directory File System Hierarchy alternate: irectory root/dir,/dir,

=> dir, file2.c Absolute pathname: starts at root, and includes the entire path to file or Relative path name: current working directory =) cd =) moves shell to hierarchy cd /dir CWD: dir, "filez c" ". /file 2.c" ".. /file.c" "../dir_/file2.c" "../dir₂/../dir₂/
../dir₂/file 2.c" Path traversal: open ["/a/b/c/d/main.c"

D-RDGNLY); read 'root dir'
look for "a" -> a's inode # read "a"
look for "b" -> b's incde # read "d" look for 'main.c" =) main.c's Link (Hard Link) link (or linkat) program: In directory: inode # rm 3 11/4 1500 8388622 4 foo2" 838862Z 8388622 1700311 lost" unlink: remours contents from disk, etc. Soft/Symbolic Link In -s contents of data: pathname to file

Admin



size : BKB file, data block pointer block painten: 9 kg block address qka wisk address Directory: just a file root directory -> file, -> filez Data Inode Bitmap Bitmap tracks data blocks; tracke which free / not in odes tree/ not Super Block: metadata: information about entire file system e.g. size, where data region 15, etc. magic #, type

1 Abc