





Open: gettine a handle:

int open (char * path, int flags, mode_t mode) owned group refult flags: O_RDONLY, 6 6 0 0_RDRW, chown 0_ WRONLY check file flags flags: O_ RDONLY O_CREAT man 2 open



\rightarrow Questions see slides.

Stdin $\longrightarrow 0$ Read and Write stdout → 1 stderr -> 2 -> Many things ... Refer slides 17 Apr 2025 Disk device partitioning illusion Physical Disk tols Logical partition different filesystems possible fdisk parted

-> partition is stored in the boot sector -> recovery partition /-> factory image -> format only one partition during reinstallation utility ntfs — ext 4 - fat 32 etc. MKFS = /dev/sda 2 \mathcal{O} Step - 2: filesystem creation exfs /dev/sda 2 mkfs example filesystem T. N-1



superblock , which inode into given imode_t *get_inode (SB *sb, long info) { inode # load the inode_t *inode = alloc_mem_inode(); inode skucture usto memory read_disk (inode, sb -> inode_table + info * size_of (inode)); seturn inode; }; inode = index node. each file: unique inode number inode ---- all info regarding file : creation, modification

