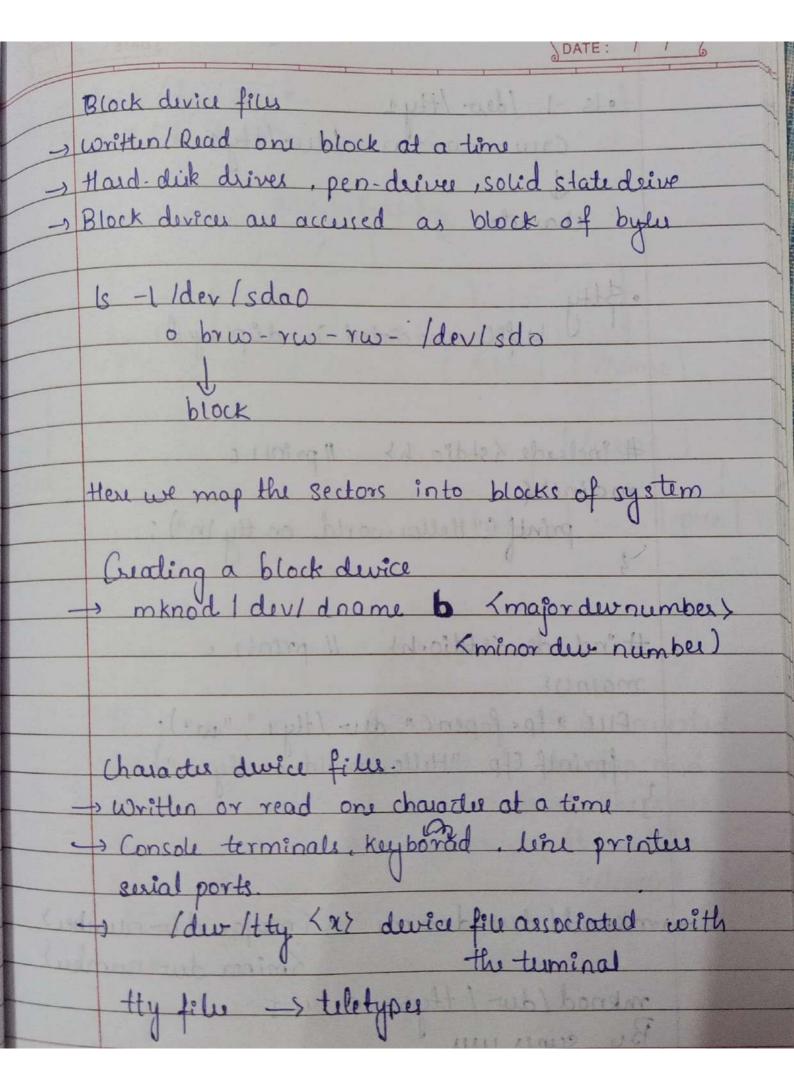
DATE: / / File Management (i) File types Regulas Device Directory Pipe API'S () applications could be ported to different versions of os 4 or os that comply with posix standard Source files, Binary files, script files Read or written by normal programs Directory files contain regular files Represented as tree de Pipe files - could be used to read or write concurrently by two process for

Device files provide interface to low level Character device files provide aces to keyboard, display and printer Block derice files disk files Legular Files - Text file Binary file Text filis-> printed on screen or executed and modified by text editor Binaryfiles generated by programs or - Read by programs only Executable file - execution rights aresit Directory files +> File folder that contain other files - Created by mkder command 5 mkdir (dirname)

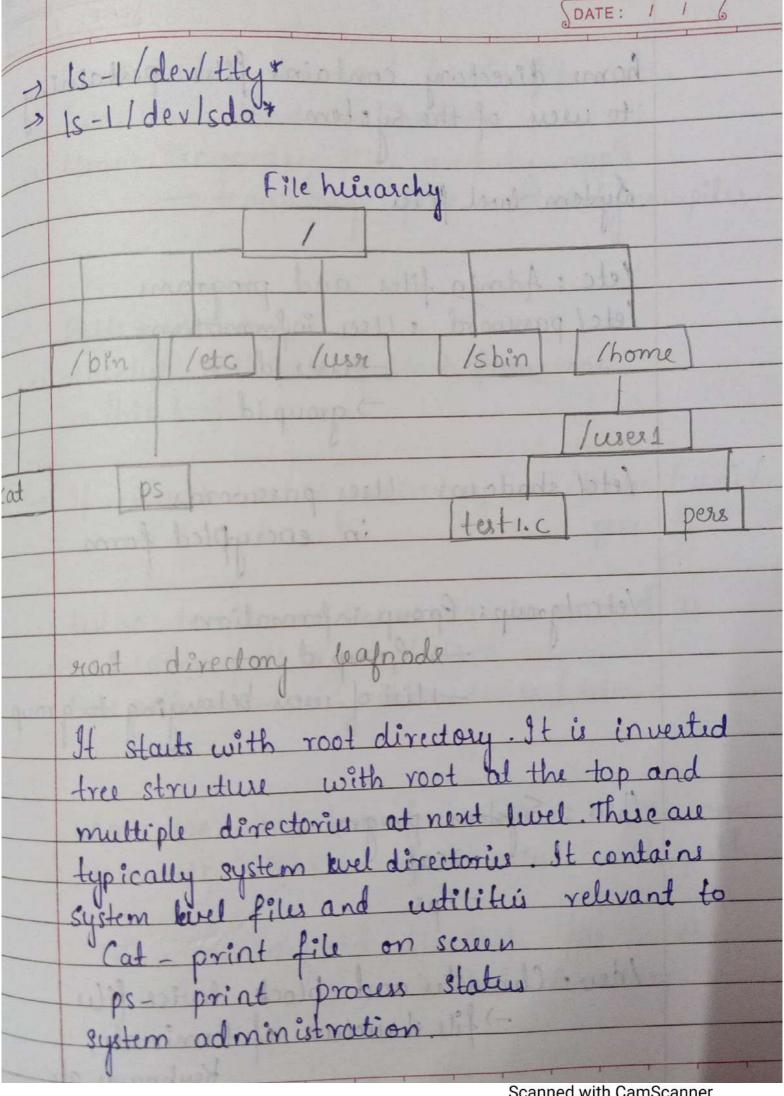
Unix maps all devices as files The device types are classified as (i) Major device type (ii) Minor device type Each of major device type is called as major device numbes Devices are supported by durice delivers

Device drivers provide interface between application programs and low lure devices Major divice number: -> Index into hernel table of device diver - Wed to invoke the particular duice driver Menor device number: -) Indicates one of the device instances fora given device - try number, disk partition etc - fraument to the device drive fundar



· 1s -1 /dev /tty1 (rw-rw-rw /dw/tty) - still know much and character · Sty 4 file associated is displayed. # include (stdio.h) 11 print 1.c main(){ prints ("Hello, world on thy In"); Hindude (stdio. ht // printz. c FILE * fp= fopen(" dev /tty,","w");

fprintf (fp, "Hello, world on tfyrn"); mknod/dev/drome c?major du number Sminor du number menod/dw/tty5 c/45



File Attributes: File type -> Type of file (c,b,p,link).

Acess permission -> Acess permissions for
owner, groups and other Hardlink count -> No of bæd links to a file (increments by le command User ID (UID) -> User ID of file owner Group ID (GID) -> Group ID of file owner File Size -) File size in byles Last aces time - Last tême file was Last modify time -> Time when file was modified for any of acuse permission, UID, GID or hard link count Inode number - System inode no of file File System ID - FILE E System ID where the file is stored Inode takes keeps track of all file

File Attribute that can't be changed: File Inode number File system ID - it is where physical data for file is present File type Major and minor devia no's The file access permissions can be changed by chood command Schmod 777 (filmame) # change made to 777 \$ 1s-1 (filename) - YUNXYUNX YUNX In -s - softlink 15-i (dirnome) for inode listing ls -i (filenami)

	Directory files contain a link between file name and actual file using inode number
	fontl-for specifying certain acess to the file fstat, stat-for getting file details
	0 -> input 1 -> output 2 -> leroe
1	re=reference court, how many process are accessing file
· -> *	Regulas open, create vi, emac, pico F1F0 mkfifo, mknod mkfifo
	device mknod mknod mknod mkdir directory mknod mkdir

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8200 signer	12	1 1	-
		Coons	ned with CamScanner

TIB (time (alculation) (Pageng with TIB) - memory acus time = 100ms TIB access = 20ms -) hit satio= 70%. Effective memory = hit ratio x (100 +20)+
acess time (1-hit ratio) *(100+ 100+201 For given set of programs the logical address is generated from cpv and is converted ted to physical address (address binding) using some specified technique they we refer these physical address to fetch the Statements from memory and bring them to CPU = 0.7 (20+100) + 0.3 (20+100+100)

