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Linux Basics

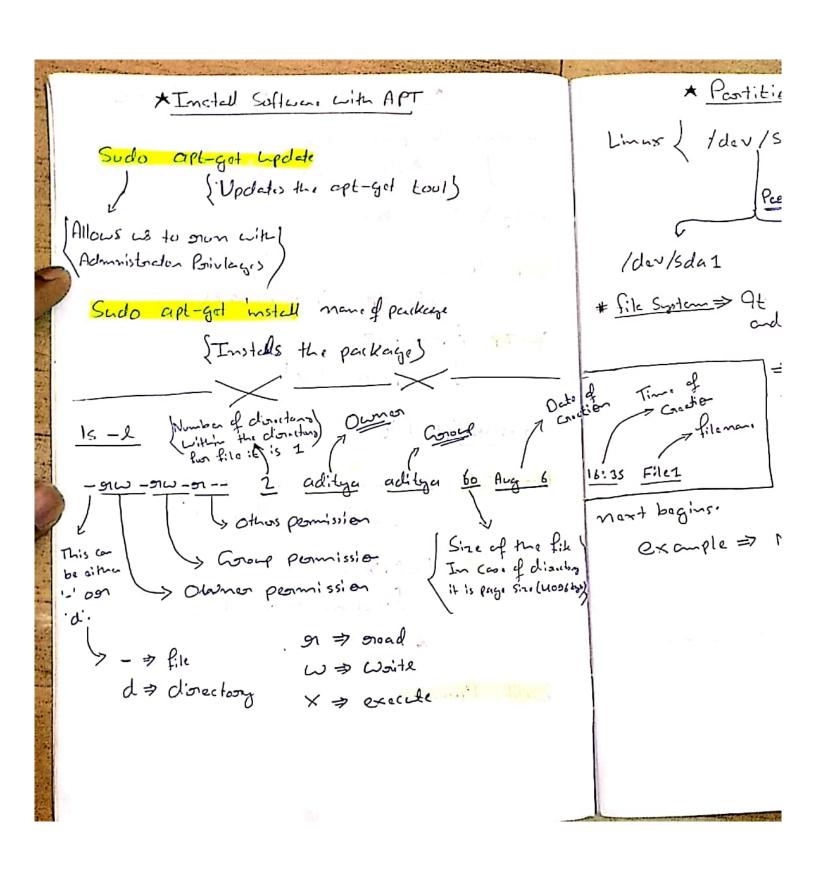
inux -> It is Open Source Openating System. Somie Code is open > Linux distribution > Openaling System bos.d on Linux Komel. > example => Linux mint, Kali Linux , Ubuntu Terminal (Smilar to Commad promt for windows) usernance @ Compiler Mane: 7\$ home directory > pwd (Porint working diorectory) ~ Absolute path => Cat Path to the file { Read the Contact of the => 15 [to know all the files inside present] => 15 - [ More details about the disrectories) => 15 -a { Shows oregular as well hidden file } In linex it is also => Clear ( Clears the scream) called dot files -> Hast Their name = 15 -la & Hidden + detailed) Starts with dot.

\* Navigaling and Working with file Cd Directory name / Charge directory) Cd .. Igo bak to previous directory) Cd & back to home no matter when you are), mk don foldername [Carate directors in concent] > disactory oundon folder nous (oromore d'oristors) dignactury touch silenare ( coades a file if file of such). om filenance [ onconer file] CP file man to apo file man to paste (Copy the Pile & Paste it) filenare Dastindien path and { Moves a file) -> You can even Change mane

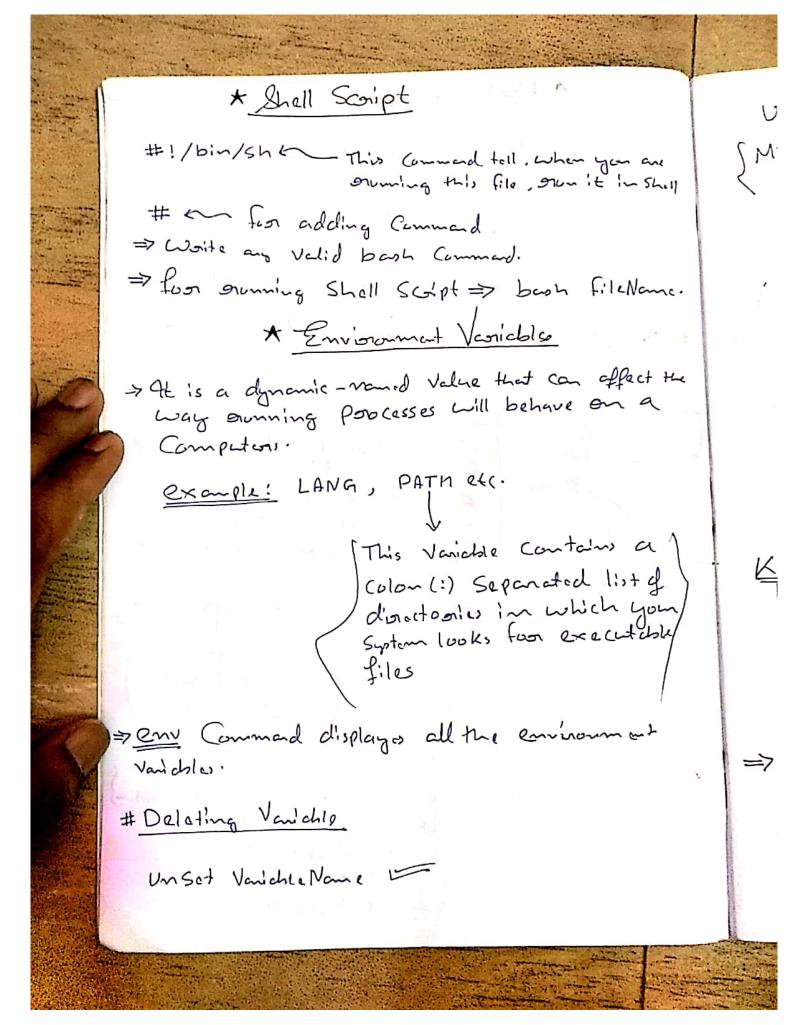
\* Searching and Comparing Grep Keyword filename. Points the line in the file which has this keyword and highlight it for our diff file 1 file 2 [ Points the difference between] Passud (To charge password) Variable name = Content of Variable [Torector a Variable with that Variable name and contain me content ofter = sign. echo thingtodisple Secho just display the things => echo \$ Varibleman e [displays Content of the] info commadnare [gives information about the] \* Saving gresults to file Connadrane > file name (ad Savo the gresuts in that file) Commandance of filenance (Command to the Pikmane) stimus to the state of

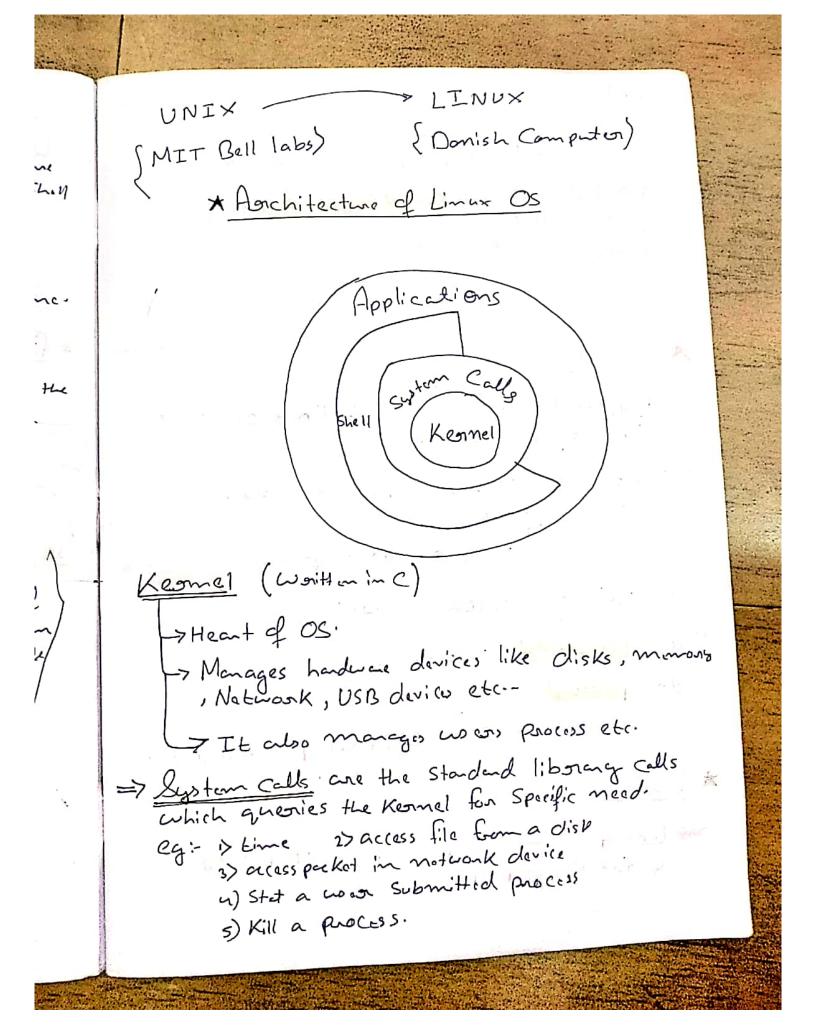
## \* File Permissions - in the beginning indicates that it is file d in the beginning indicates that it is disrectory. on => onead W > Woite \_ Owner Permissia x > execute Day puroN - -- 10 -we xwie example: Indicate it is a file . ) U = Usen g => group. 0 = Other prople Throad for what grow what permissor you want to (#/-) you want to chase permission give on take (on/w/x) filenane. (2/w/x) (u/g/0) Chmod num1 num2 num3 file nanc. Permission for other people !--> Signed execute 2 > Worlde years of the year than some 3 -> nead 6 -> moad + won'te 7 -> mead + write + exocute

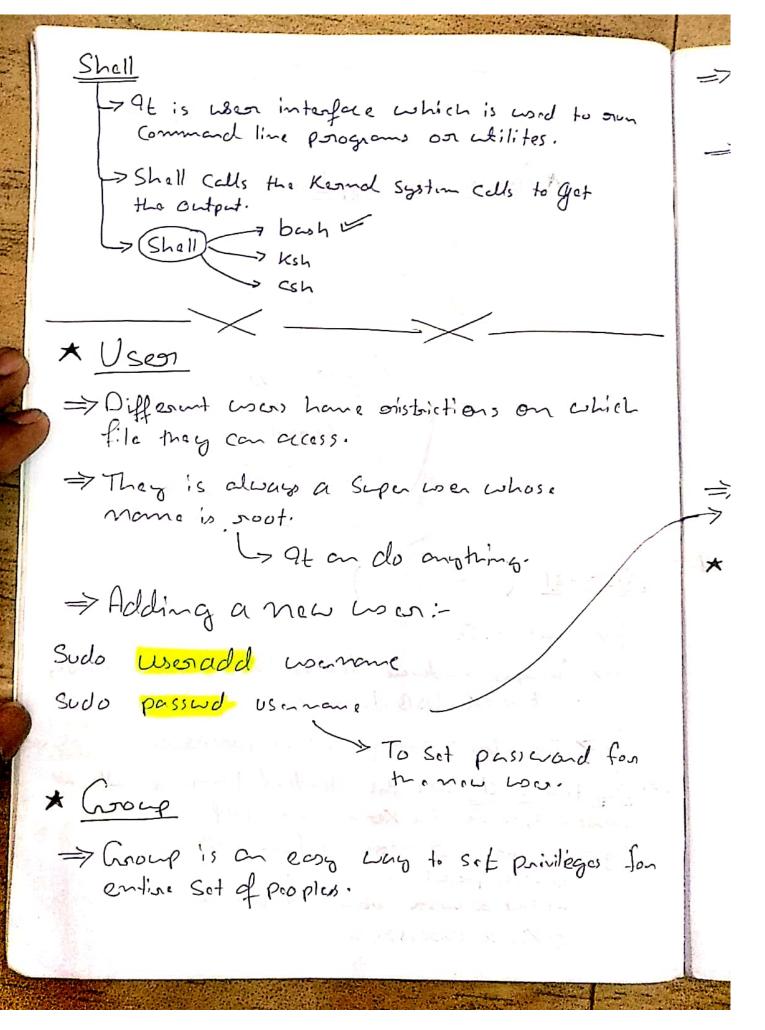
\* Compress and Extract to and grik file name with Space in terminal >> Aditya Shrixvastara Adityal Shriwastaval sia si egzip filename (To zipafile with 42) Gunzip Filenau. gz Unzips the files for multiple file tan CVf tanfileName tan file1 file2 [ Ziping multiple file) ton xvf tanfile Neme tan [extrating tan file) \*Toedit afik gedit filenome



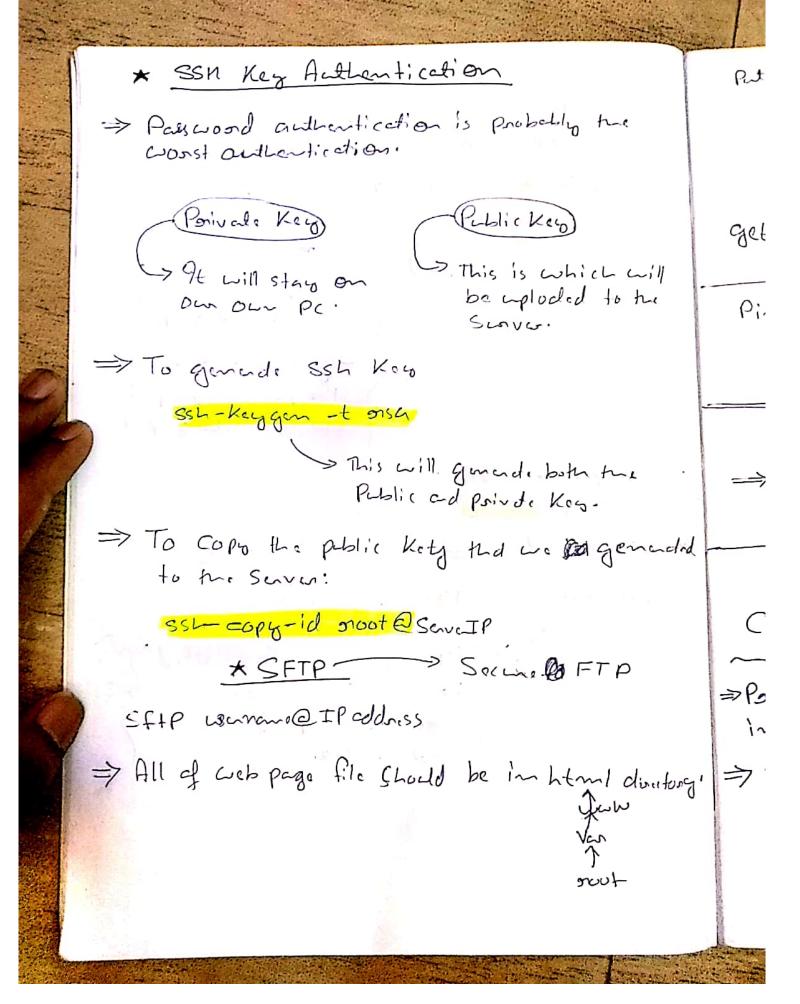
	* Partitioning
	Limux / Idev/Sda, Idev/sdb etc)
	Prontitioned
	4
	/dev/sda1 /dev/sdaz Unallocated
	# file System => 9t Controls how details stored and enatoriaved.
	ges.
	=> Without a file system
Ĺ	
d	fileman body of data with no way
	to tell where one piece
	16:35 Files of imformation Stops and the
ĺ	1 Jana hace
1	example => NTFS, FAT32, ext2, ext3, exty
3	Limux alut)
	mewa s
	f:1. Sustim
	File System Compatchile
	with all openans
	File System Compatible With all opending System. Linnx, Mac, Windows  Linnx, Mac, Windows



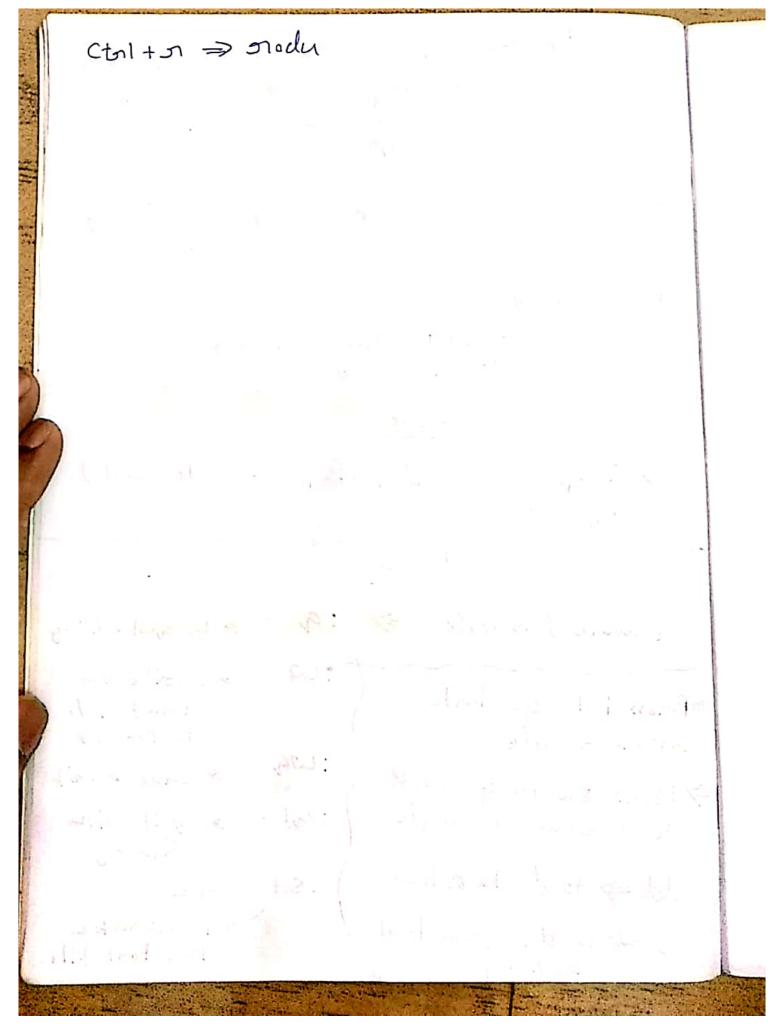




=> To Create group Sudo groupedd groupmane => To add a non to group Sude usermod -a - G groupmane oppind 1 9t means we are just adding the wen to had grap -g meas chase the primars grap to this notwo good => To dolote usus! Sudo Uscadal Uscamane \* Setup and Connect to SSM Server SSH Username @ IPaddriss > (Now you are commetted) to the Server as the come man specified with the IP address



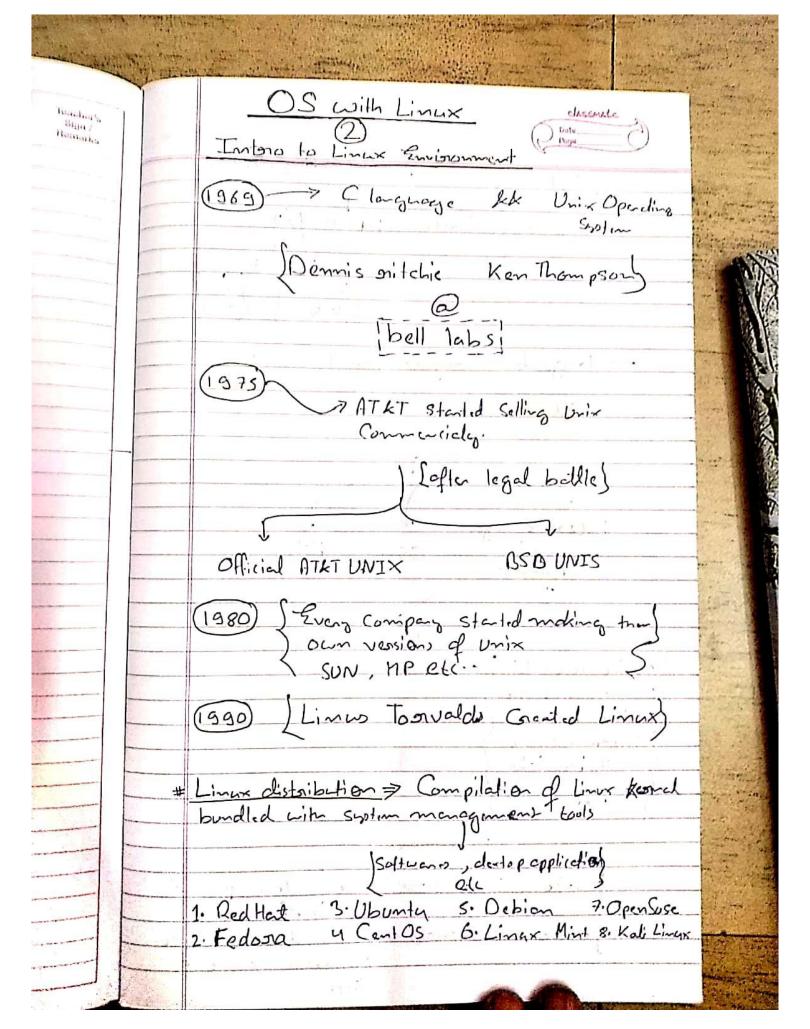
file adds in or you our compile (Uploding) > Mela sur you acon file Corner discitors or host computer. get flenare Localion on our compt. To. Ping iPadding > word to check Correction to the network Smaps => Snap is universal package formade anded by ubunty. d Vim Commad mode > to quit editing :9 > Write the ⇒Ponoss i to go Into Current state to the file insat mode. : 129 -> Save Rexit > Paress Esc to go back to Command mode : Gr! - guit with Saving dd => to dd ote a line : Sot number STO number U=> under your last, the text file

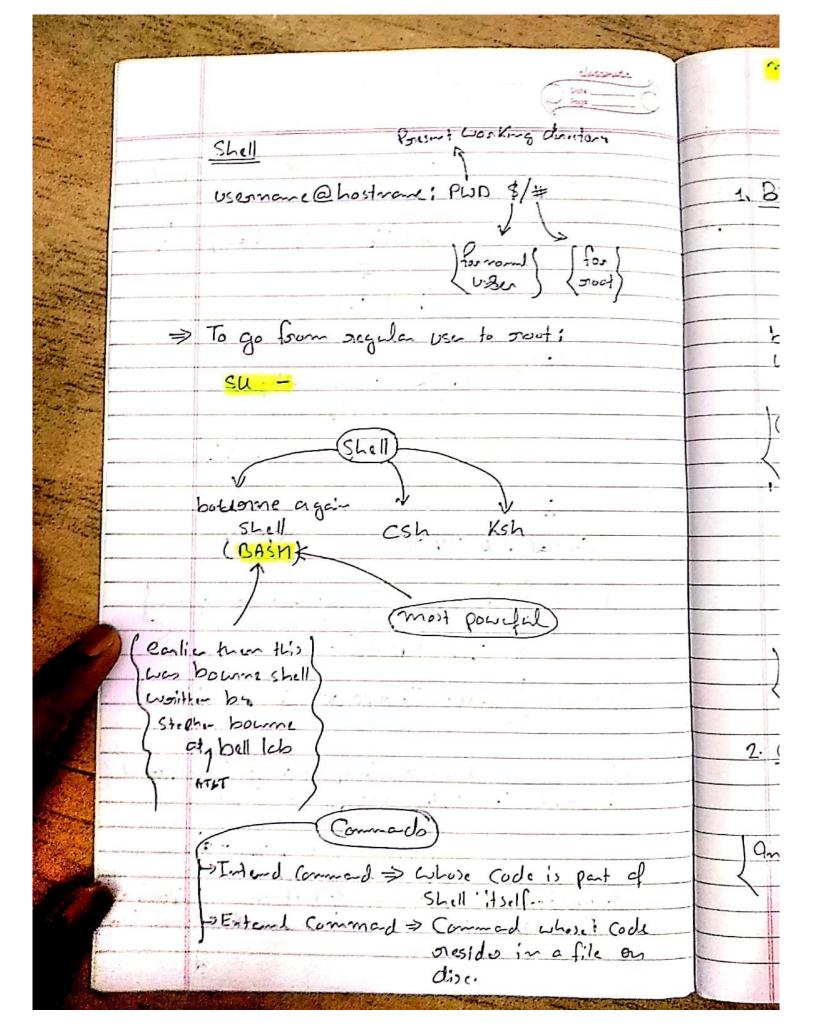


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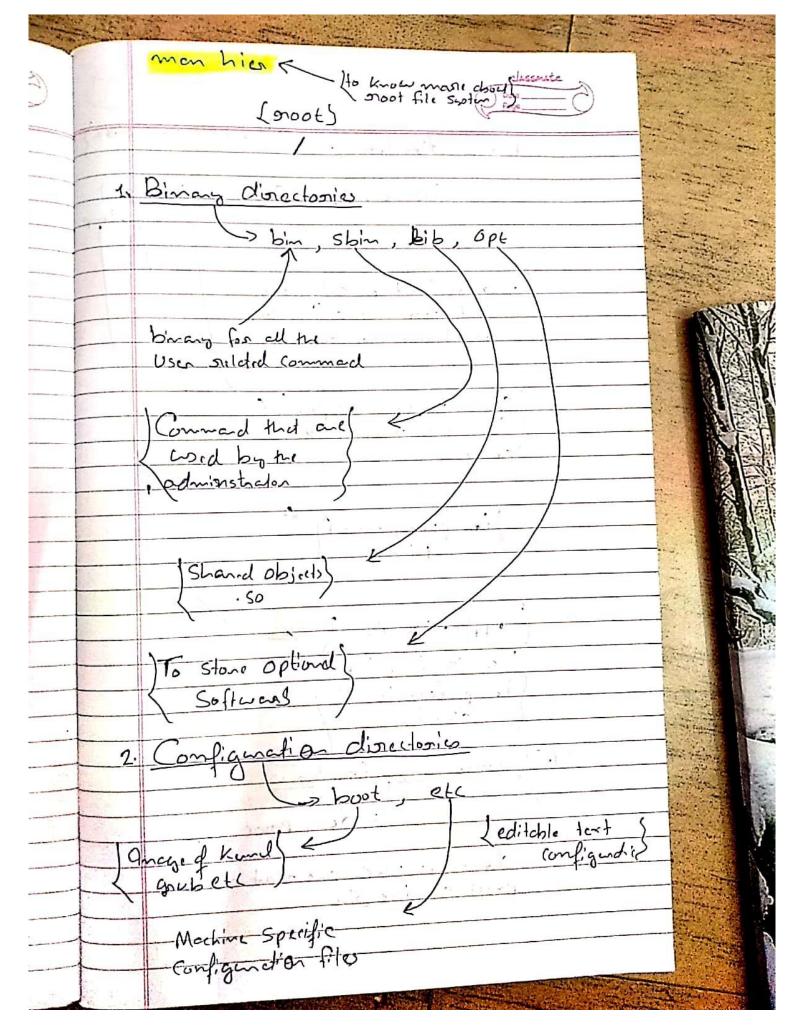


Intro to Linux Environment

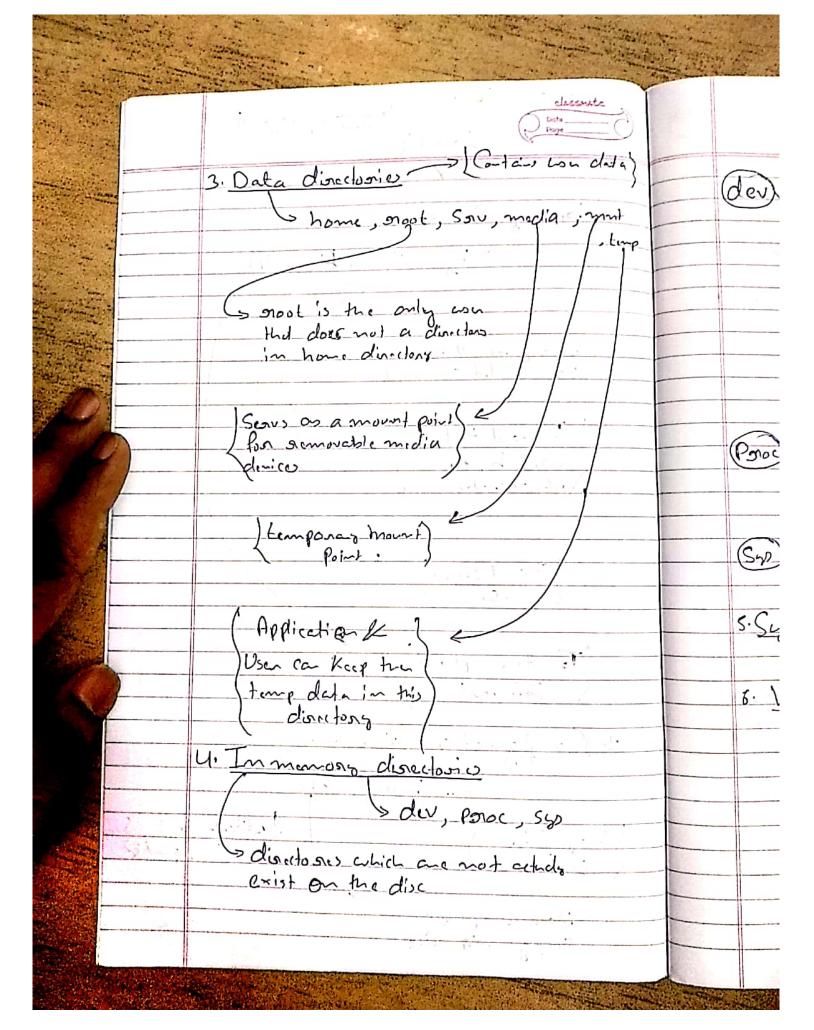




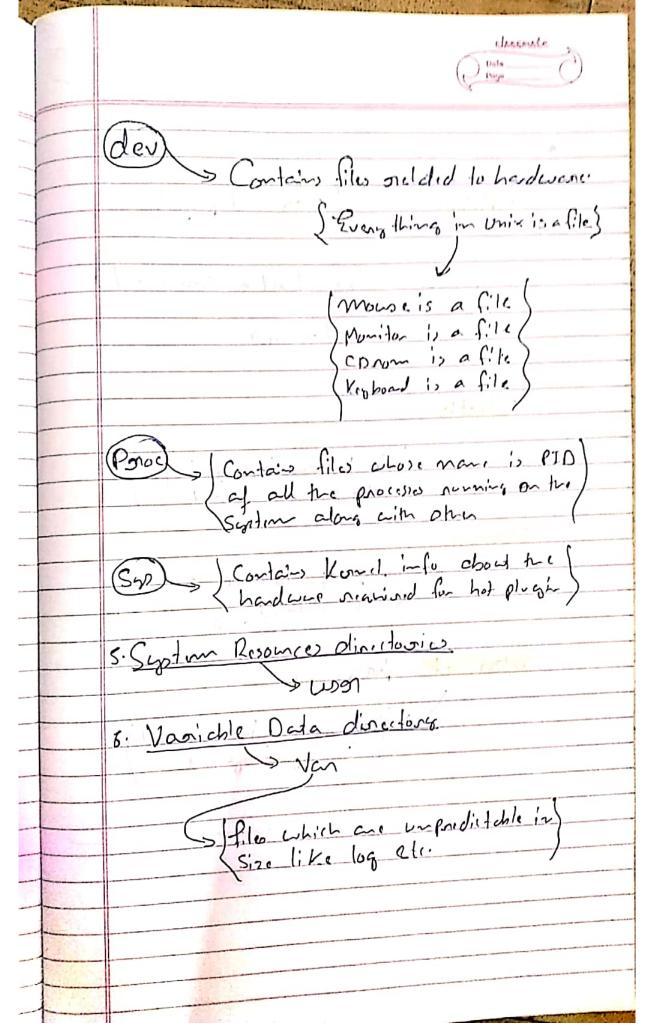
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