Help. :- will showall arail. option > 1 command -- help > 1 man command % - displays manual Paged even command ESS. H 3- remote connection to any dystem 1 Syrtax: - SSh [Username]@[Machine_name/Hostname/IPaddles] Eg: - ssh student@serverce Case 1) Simple Remote Connection (with or with possiphease) Steps (1) Generate Ky Paiss (Publich Private) -> SSh-Ruggen (id-23a & id-23a pub) Note: New Kuys can be found in assh folder you can be vide Pouse Phease intuis step (2) Copy the Public Ky to remote dereu -> Ssh-copy-i'd [withame Yev [mailine-nome] 3 Connect to remote server > ssh [Username] @ [machine-name] Case 2) Remote Connection without Password Passphease Shuntime / Tumpowy & Or Connection with agent Steps (1) Same of the as of Case 1's first step 2) diploy an Argent 3) assign Agent with your Passphease with your Private key -> ssh-add .ssh/[Private-ky-name] (a) Connect to remote server Agent Stores the Possphreise in rudine & hence after detetting your terminal, Agent will echase its Note:

Can 31 Remote Connection to server without Passocial of Possible Switch to root user in Senote server

steps (3) Switch to root user in Senote server

(2) Navigate to etc/sshd

(3) Edit the file such that your allow the Connection from our server

Non Interactive they (I) Non default key

we as she keygen -f . ssh/mykey.

here we specify the file location by force (-t)

explicitly

(2) Copy to remote user

Ssh-copy-id -i .ssh/mykey. Pub [usenone] [maching

To ignore the defeult Key

bin boot dw etc nome root run shin try use var bin localishin trup trup slike bob eve / boot "- Files to start boot Proces / di : depectal divice files that the dystem ceses to access hardware letc :- System - specific configuration file (IMP) I home &- Home directory, where regular uses store this data & centy file I root ?- Home chirectory for the administrative superuser. / tun? - Juntime data for broceses that stacked since last / tmp :- A world - writable space for temporary files / USC :- installed software, shared libraries, tiles & reced only date I'ar & files that dynamically charges, eg: destablish, cache dir /USE/bin :- regular commands & utilities Sindo - T > Charge wer from Links (ln) Symbolic (Seft)

> Soft link (Symbolic link) + It is used to create shortcuts like in windows In -S [Source-File] [Symbolic_Link_Path] > Used for both directory & for files > Hard link > Its like a Connected copy of a file Advantage: - we can still access the file even it the original file is lost unlike soft link >> Discoverage =- Supports only for files > To identify hardlink we which "inode number" Is In [Source-file] [Symbolic-link-Path] Two files or directories are douid to be same if this inode numbers are some To check inode number > ls-i

Example/Explainantin Pattern QUO'V * echo" ved 2 ??" Any character in box [abc ood [labc] Non characters from fox [1 abc] My aphobetic characters [[: alphoi]] Any lower case character [[:lower]] edro apperease character [[oupper]] Any alphosetic or diget [[salnem]] dry frintale character that is not a space or alphaneuric [[: punct:]] Any white space character. ((: space))

Users Superior (root)

Regular riser & Unique UID

System user & Cuser Identification
Num) 6 6 By default 6 200t → UID = O System wer => UID = 1 - 999 6 Regular Vsee > 1000 - 60K & 6 * / etc/Passurd > Basic information efall uses Cg: Scot: a : O: O: /keat

[Usus:sname] { Possoword? { UID} & gid? & Home?

Pointle] * Assigned { Assigned shedde 6 & Assigned shedle to user userodd [user's name] > Creates a >> Passual [usuname] > Assigns Passuard to Used to charge any Paeameter

www.mod -next of already created uses Group Secondary group * letal group of all information related to groups groupmod --nelp3

> Use id 02 id [unmane] to see usu's bush ditails > 18-1 [filename] => To view owner of turfile lest let le - le [Directory] = To view the owner of → Su - [username] : To Switch user with new user's env/filesystem Su [useename] :- To swotch when whenout new user's filesystem / Env. >> Sudo >> Switch use do > Sudo -i => Switch to root user >/etc/Sudolers > config fill for sudo command eg: To enable fell sudo accus for [userneme]

Syntax: - [usurname] AII = (AIL) ALL

Uses has access all members all commands @ To give full sudo access for [group Name] Syntex: - % [group Nome]. ALL = (ALL) ALL all modulines = (all members) all commals 3 To setup Posswordles execution of Sudo command by anyuser Symbox: - NO PASSWD: ALL

> usedel [wernome] => delets the use -r [werrome) > dellts the user with its >> To add a [weet [usee Now] into a [group Name] usermod - aG [groupName] [UserName] 1 1 * etc/shadow > all user's Passwords 1 1 user 03: \$6\$ CS 5 X 5 BS Ly : 137933:0: 99999 F (分: 章: 之: 18 113:) Lost Poseword min
Change Possword Possword
egg Possword
egg expisy date
days
days
lost is of auant
empty F Name of encrypted the Use Possioord 3 last Puers word change (-d): - show the days since epoch day
i-e 1st Jan 1970 (a) Min Posword age (-m): If o then a usur (an change Poss. 3 Max Password age (-M): A usur's Pass is valid for Brovided (6) Warn days (-w): - A usur rectives worning before specified no of days before the expiration date Dispersive days (-I): - It 2, then possible will work 2 days more even it it is expired :- The day when the account expires (8) Expiry date (-E) it can be days or in YYYY-MM-DD

