External Style Shoots:

- 1. link element
- 2. The @import rule

Singy multith (d borr

Embedded style sheet

placed in the Lheads part.

Wants - and

Box-model

In line Styly

wed in single element.

day (See

(SS take carade &

Style Shet Grearchy

- 1. Browser default settings
- 2. Uler Style settings
- 3. egiternal SS
- 4. imported SS
- 5. Embedded SS
- s. Inline
- 7. Any fule marked ! important by author
- 8. (hy reader (um)

mal style Starts: 1-CSS font properties I this element * font-style 11 - Variant I The Carport rate 11 5176: 11 - family Harle Steels Box-model placed in the sheets part. -Murain edge - Border edge - Pudding edge Priz 1 Paddin area (onter edge & shape) while Content area Style State Herardy from detault settings 4. AND SINE LIMERTAN PHORESTERS BY CONTIN

Buig & Iman

-, Linux 13 a Kernel

COPINI a foll

(Kernel M interface to communical to hardware of computed)

e29

Linux. Linux. and many others are as built on?

NOTE

all the commandy in linux is a file.

Commandy

1. Pwd - diaplay the current working directory

2. Is - list (shows all files in a directory)

3. ad file-name - Changes directory [to more into particular directory

4 Cd. - Und to 90 previous directory (even to root)

5. Cd -) by default movy to home . by the

6. Whomi -s tells the numa of wher.

7- Cat -s diaplays content of africe. [concatenate]

8- man - provides munual for all commands

9. CPF -> Copys + h file

1x 10 a Kernel Copying a fole Committee to hardering of company of longues of company. Sudo rm file-name lo. rm - , remany file the commany in linux is a fire. - distipling the current working directory - list [shows all files in a directory] h name - Change directory [to more into particular [policion - week to go previous directory (con to root) - by default move to home . (a) to ni -> tells the name of where - provides numeral for all commends = (0078 + 1/4 dile

gource: Hack the box Linux fundamentaly and belong latel 1. Linux structure) in property town some state of text in look -> Linux is a perney - Open source / Source (ade (an he modified e-g of Ois baled on Linux kernal short and 13700 Ubuntu, Debian, Fedora, Open SUSE, Linux mont, Pedital -) More Secure -) Android OS runs bared on Linux Kernhann Depress (--> main compount of 05 philosophy [principly] the amount and bronds dets its resource to 1- Everything is a file - [All lands are stoned a film] 2. Small, Single- purpole pragrant - [tooks can be combined] 3. Ability to Chain programs _ Decaus of flux, Complex tacks can be taken 4. A void captive UI - mainly work with Shell (br terminal) like Goz reitnichny to led as what to do Wer to havigate eg Bush, 25h, 1944. freely]

5. Configuration data /etc/passed file stores 911) Wray akens required on system Stored in txt & le Limia 10 a bonney Components s gensoure / Source code cun he motified [Bootloader] A piece of lode to quide booking process to liter O.S. Dis baked on Linua NOTE: GRUB Bootloader und M pumbs linue Ubantus, Debian, Fedger, Open Suse, Linux man (engl 20) -) main component of 05 o trained 05 turn bured on Linus -> manages resources for systems Ito devices at Hardren len i.e ensures each process gets its relources to function. Trib to bright are thought It I I'd to by printports Daemon -> Background Services (without direction were the terraction) -> load after we boot or log in to Computer. of thick -> ensures Scheduling, Printing, multimedianes and the 105 Shell -> Command line M interface between OS and when the tell os what h (minimum to tell os what to do supprison of the

eg Bash, Zsh, FMh.

Ub

Mraphic Server provides graphical Sub- System "X" or "X- Server tun graphical programs called FHS [Filesylon Hearthy Stanlad] Window manager Linux fels 1974un -) Also known by GUT. / duptup environment -) Chrome, KDE, MATE, Unity, Cinnamon. [beect - 2 contains bacheader, files request, entitled - They he applications that applications perform particular function. affected backage Linux Architeture lete 2 Local Ayum Layer Description Hardware peripheral devicy month. Kernel power 110 of provide men - interface between Hurdware and suftware (05) Sheeted rough of somper will good! - A Command like iterface System was gravement lamstry - without -- Os's functionalities made available to utility

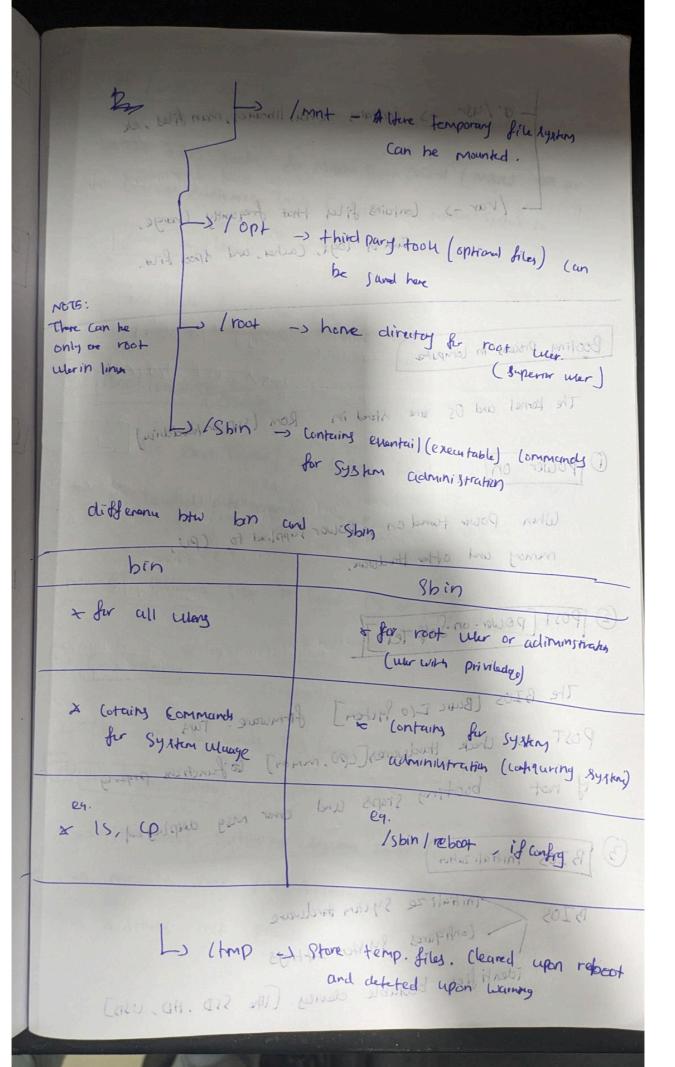
Linux Os M # Structured in a tree-like Horarchy

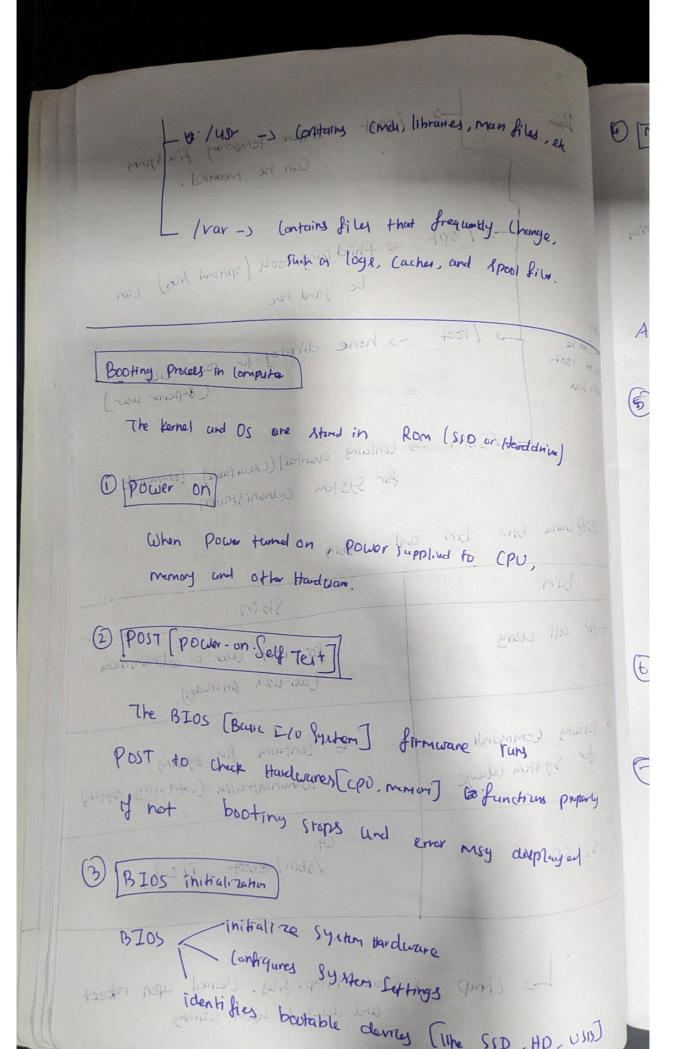
called FHS [Filesystem Herarchy Standard]

of gornered down we have (like USB)

Linux file & y Hom /bin -> Contain an Command binancy mid Chrismon 1 boot -s contains bootlooder, fily required to bost linux os o light applicating perform - I dev -> Contains device files to provide avers to attached translaine required by all programy /home -> home directories for all were to Store Personal file Thursd -> library files required for System book / lib A company for the page - [media - External Femorable devices mounted

Phuned libraries multiple programy





MBR / CAPT and Boot loading

The BIOS looks for Marker Boot Record (MBR) to or GUID Partition Table [Copy] on modern System to

Myol WU (B)

A boot loader loads the 0.5

Boot louder Execution

-) The Boot loader [e.g. CIRUB, Windows Boot manager]

M loaded: Into memory and executed.

-) It allows we to celest Os or loudy affault Os

6 0-5 leading

-, The bootloader loads O.s Kernel into momony.

Herrel innalization

-> The Kernel Shitializes system resources

a mounts root file system 1000 such most softle

-> & starty init process

(8) Egyptem and cervices startup Why I -strit proces initalized System Cervices and backgrounds moluding Theotosthing, display Managers 9 Uler login Alta Authoritication happens here. The Book leader [c -7 CTRUB, Windows Prod Linux Distribution they os based on linux kernel. Each Lerve for different pupposes tipes like for embedded devices, servery, mobile phones and allows the to colub Os or looks derletop per. eg Obuntu, Debian, Red Hat Enteroria Imut, Pedro, Cento, Introduction to Shell in particular leady 0.5 ternes into mangery. -> Shell in a text-base (I(D) interface between when and Kernel für Computer bystem. -) like tent bon GUI mitte son to Most commonly und shell in Linux is [Bourne - Again. Shell]

Why Shell ?

1. To avoid repositive work | 4. interactive debugging. 2. Adding new functionality.

3. Quick Start

Alternative to Bash

Tosh/csh, Ksh, Fish, Zsh

Shell prompt description of two and the stocks marriaged

eq (matharamounts:

eg (matharamoonthi @ linux)- [/home]

noke

-) The homedire marked as [N] as default then logged in

-> when we log in to wer, \$ -> # [\$ -> Stands for wew]

The prompt description can be modified using file ny. bashre

(u-) current wemane

14 - Juli hostname

Lt-s Current time 24-hors

17 - Current time 12-hr

(8 (hetting 3 tolp) man Comman Syntaa: man Ltools e-9 man curl SS -- help env Syntax: Ltools -- help e-g Curl --help 9 15616 Logging Syntani (tool> -h e-g (url -h mit growth m -> 831 Lini tool for learning descriptions for Enstances of a givente 1 sun: apropos / Keywords e.g apropos curl Commands for synthm information sending everyal of [27] (4) show Whoam; - displays wername Inti Fd -) wer's identity hostname -> current host system name -> The of OS Uname Uname - V [version y (amy) pud -) Crorping dir. is config > so view address to network interface

ip- show or manipulate routing, retwork denies

netatat - Show network status

SS - invetigate soches

env - print environment

Isblk- linh block denzy

Logging in via SSH -> by many we can access remote server (computer

-> 83H (Secure ghell) refer to a protocol.

different physical address (any -) Allowy leure communication between + wor Systems over networks. I had made

-) remok access to Berven.