Introduction	to	Que	atins	Sente	ems
		ger starts	at	9:09	pm

Agenda	1
<u> </u>	

Theory

Practical

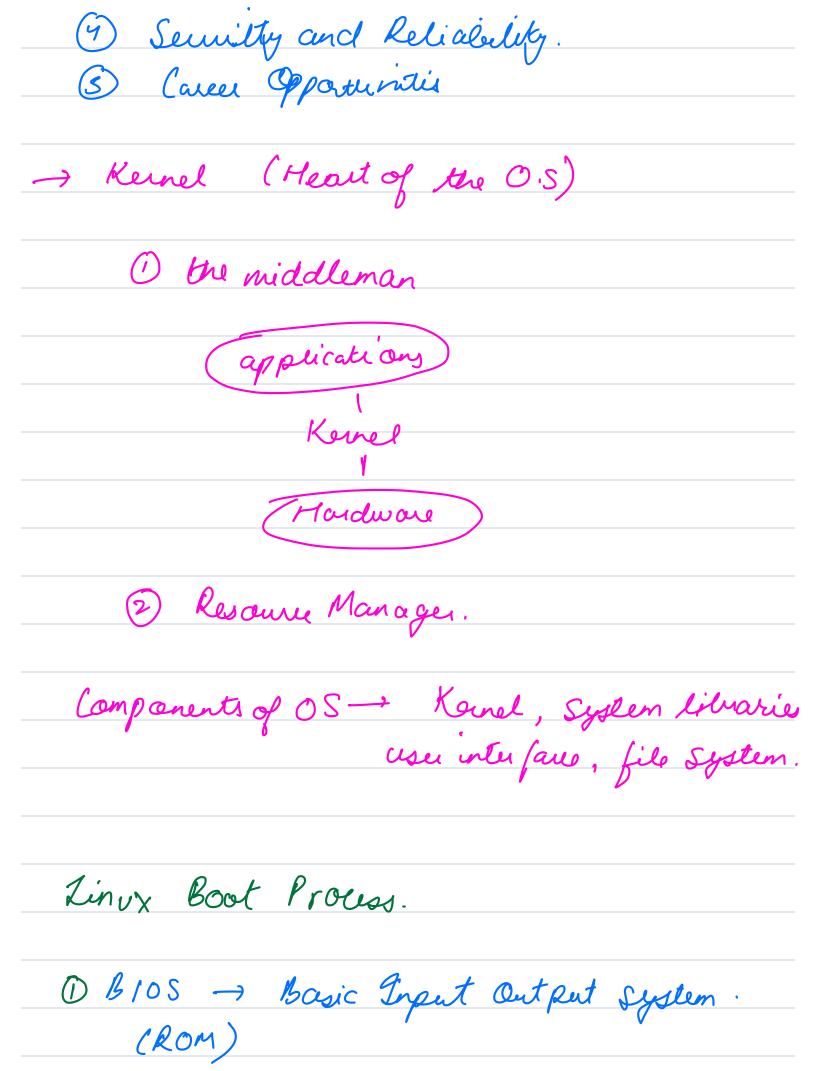
- 1. Operating System
- 2. Role of an Operating System
- 3. Why Linux?
- 4. Linux boot process
- 5. Linux file structure
- 6. Common Linux Commands
- 7. Getting started with vim

Operating systems

hardware -> Reyboard, CPV, RAM, mouse, display(manita)

of Martines.

Role of on O.S.
O→ Process management.
2 - Memory monagement.
2 - Memory monagement. D Primary memory (RAM) D Seleondary memory. (HDD, 550)
2) Secondary memory. (HDD, SSD)
memory Management is about O.S
memory Management is about O.S distributing the RAM among different
Processes.
3 Storage management.
4) 1/0 management.
3 Sewity.
Why linex is important for devops Engineer?
·
1) Dominance in Sewer market. 2) open source. (highly customizable) 3) Containet in ation.
2) Open source. (highly austomizable)
@ Contain Lincition.



- hardware integrity.
-> loads the Bootloader.
2) Boot Loader (CTRUB) Grand unified
Bootloodu.
- responsible for finding the Kernel. - Y multiple O.S - it shows them
-1 2/ multiple O.S - it shows them
as Option.
3 Kernel takes charge
Despuiser Servicer (systemd) Surice manager.
Service manager
nginx
docker.
httpd.
systemets + command line utility
to interact with systems.
Anataments and making
Systemath start aginx
(1 0 p

rest cut).

lue see the logis Sueen. Boot Prouss encls here.

Pratical

1) Poud -> print working dividoy.
2) ls -> list files or disertonies in a dureday.

-a → 5 haws all files.

· I used make files or directories hidden.

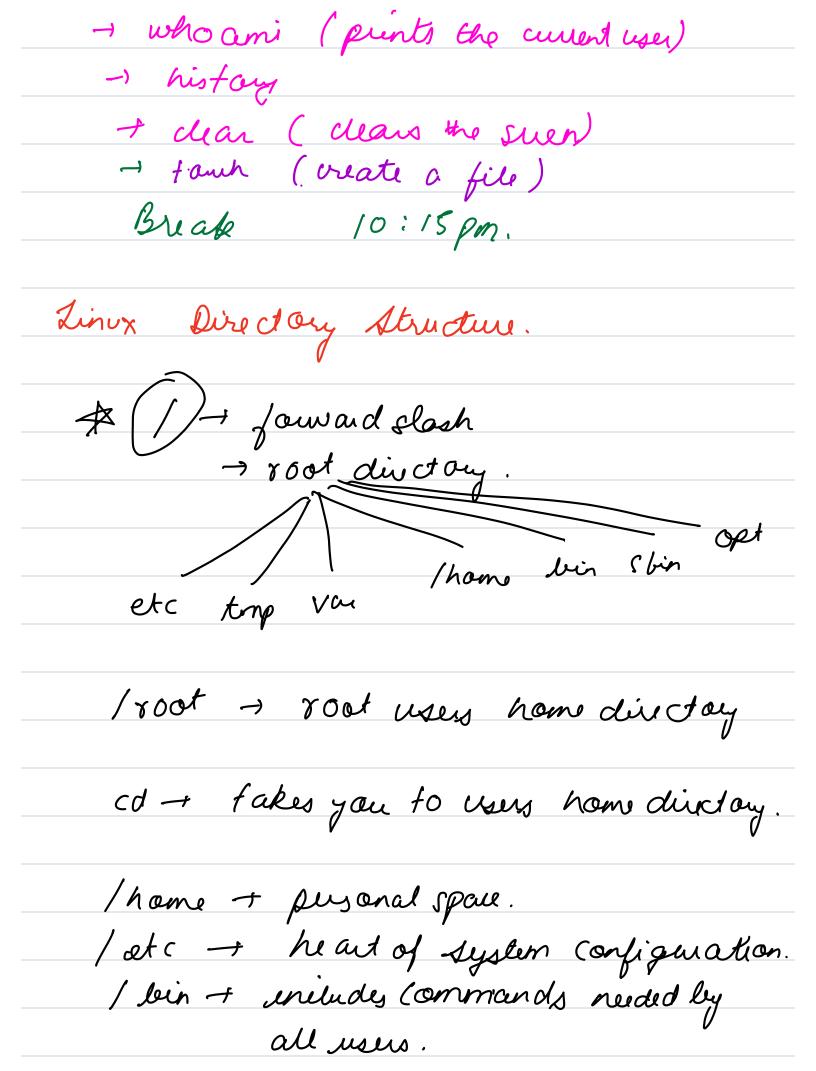
- medir - create directories.

→ cd → change directory.

cd - (back to when we come from)

cd - (back t directory)

- man (manual)



ls cp mv Cat
/Shin - includes commands needed by
system administratory.
- reeboat, Shutdaven.
/tmp -> temporary file.
/opt -> aptional.
used to install third party
apps.
/var - system journal
(logs)
/usr -> usu system resource.
not essential for basic geration.
lent night be needed by
applirations.
free-h (to show urrent memory
free-h (to show urrent memory utilisation)
Alesalute and Relative path.
/ home subuntu / banana.
/home subuntu sbanana. falk - apple folder.

Absolute -> cd /home/abuntu/Apple.

Relative -> cd ... fapple/

unitudes path from voot directory (/) han we can reach from current directory. More Linux Commands.

- mkolir - P (used to create Subdinectories) mkdir - p test /test 1/test? -> rmdi -> used to delete empty directories. -> Rm -> used to clelete files and dire dories. rm -y r → reursively

f -> faribly. cty+c - about any command.

-> cp source destination
-> mv source destination (cut and pasts)
- lenaming
i cut i used for printing the content of a file.
a / i / a
- euro -
eeho "word" >> file
eeho "word" >> file Li appending.
>
4 overwrite
-) print numbers from 1 1000 into a file every second.
into a lite even second.
& -> survino a command in
& -> surving a command in background.
$m{\mathscr{U}}$

for i in 1 1... 1000 g; do sleep 1; euho "\$i" >> orange; done I tail I used to print last few lines of a file. -s tail -5 filename. -> kill - 9 process id -> head -5 filencine. → storage → df -h → memory → free -h