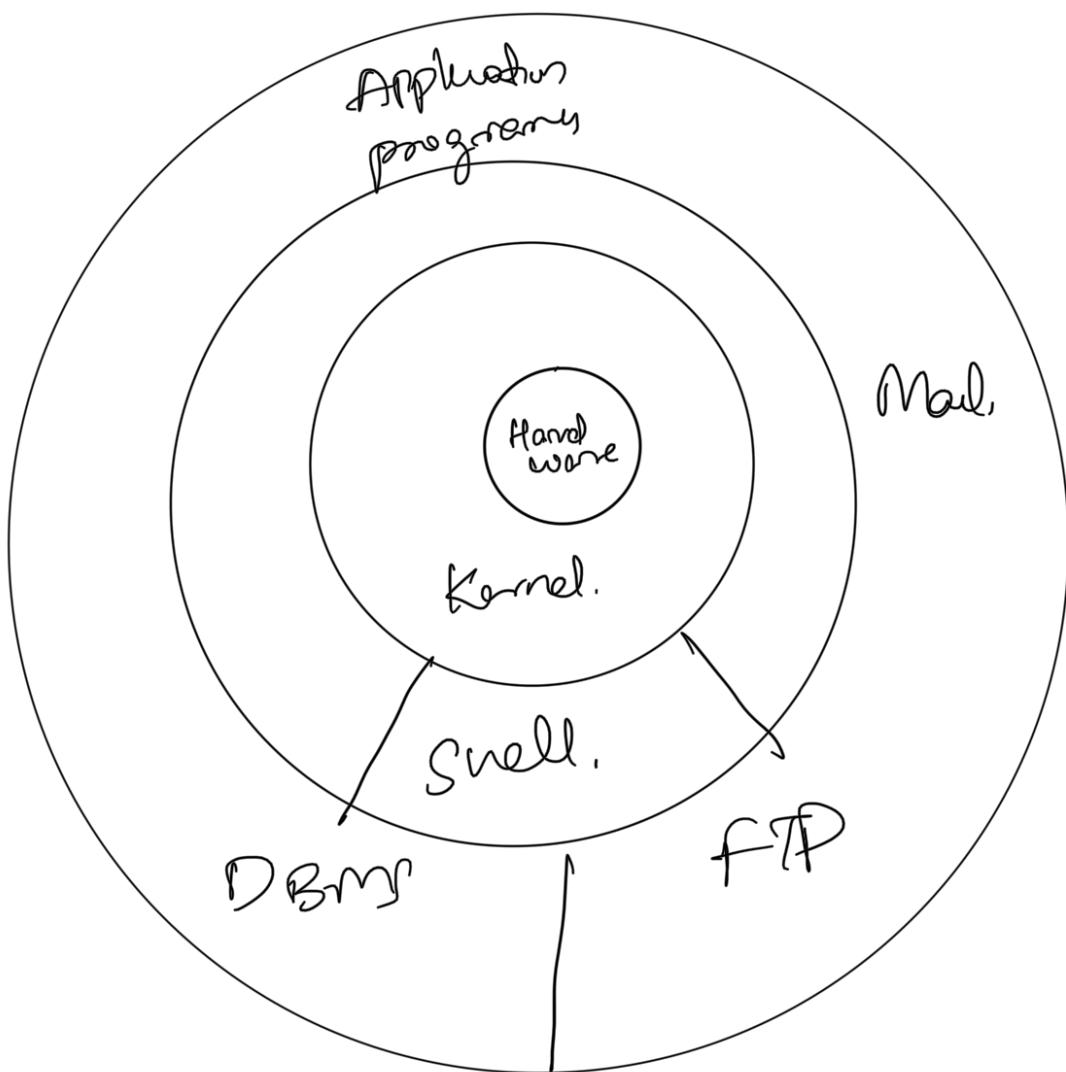


Unix

Aswini , Oracle

OS - resource, process man

Kernel - heart of OS



folders = directories

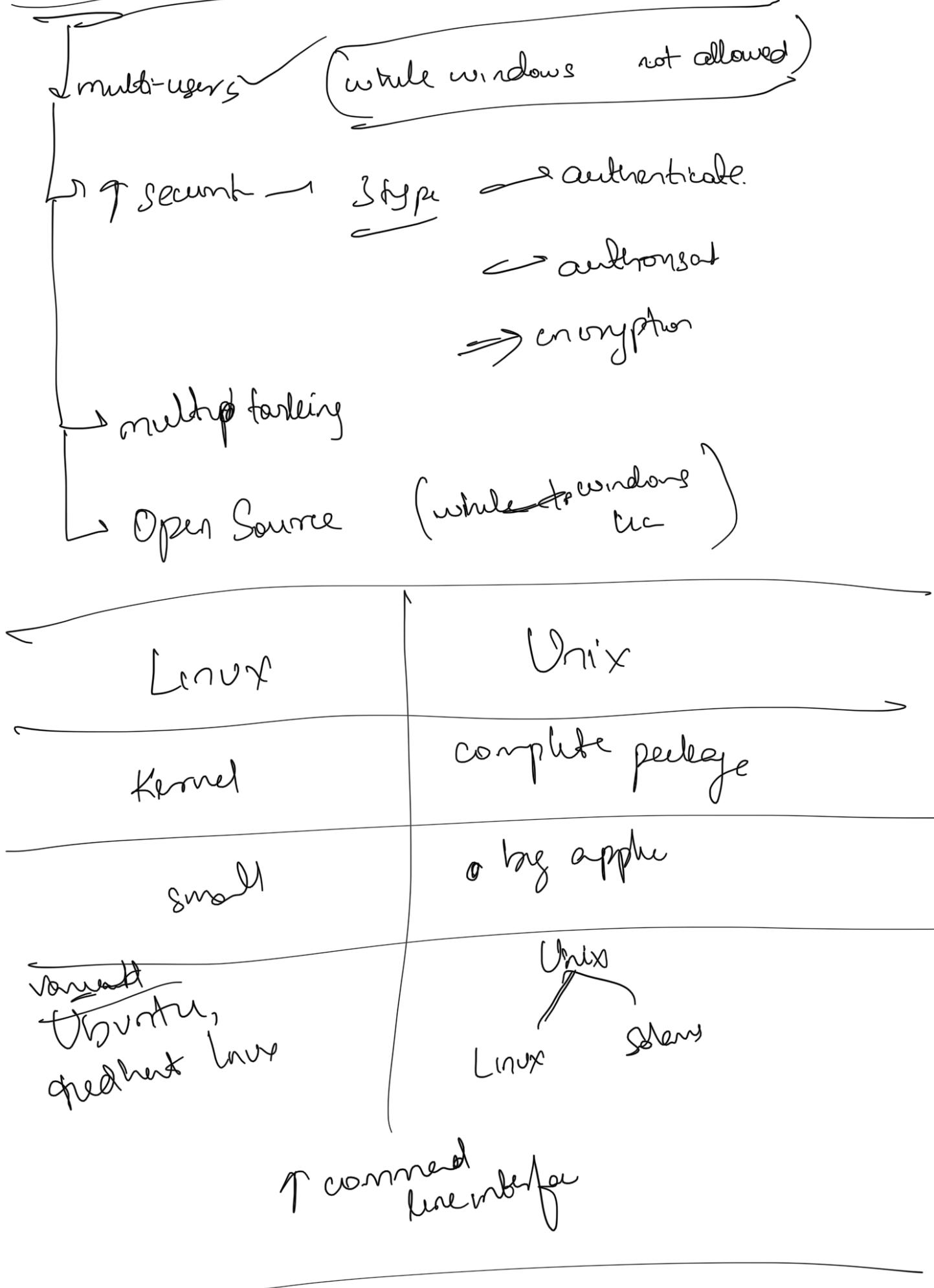
Unix variants

Solaris, AIX, Cenux, Redhat Linux

file sys
order
directo
open fil

Linux ~ 1 ... features

UNIX vs LINUX



WinSCP

Commands

whoami

display loged person info

user
admin

cur

who → all users ~~port~~ ^{whr} Logis

w

extra info about current user login

pe

id

- user ^{id} groupid
Info

exit

Logout

FILE MANAGEMENT

directories

Unix case sensitive

listing files

in ~ listing all ~~files~~ in directories

x>

...

j

8 files in system.

in cwd

ls -l ← more info abt particular file

file type & file permission
memory of file,
filename,
Datetime,

ls -a — display hidden files

starting → cwd
one above cwd
or parent indirect

ls -la — more info on hidden files

— file creation

vi file-name

Ex: vi swap

press

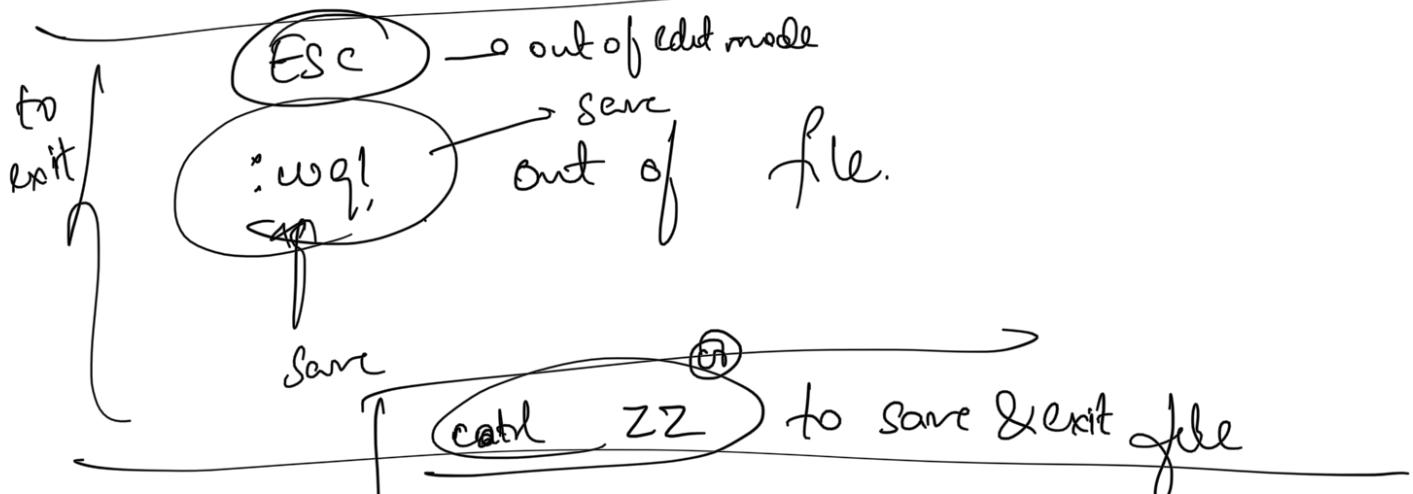
insert

new

n. L I ..

↑ last
↓

4 types



cat filename → display file content

cat -b filename file → with current line with control.

Ctrl-Z → to get \$ command interface

wc filename → no of words in file

21 18 655
no. of words no. of characters

~~cp src file new~~ ~~destfile no~~ + new file create

~~mv oldfile newfil~~ → rename

~~rm filnam~~ delete

~~wc -c~~ ~~filnamy~~ → character
words

~~wc -w~~ line

~~wc -m~~

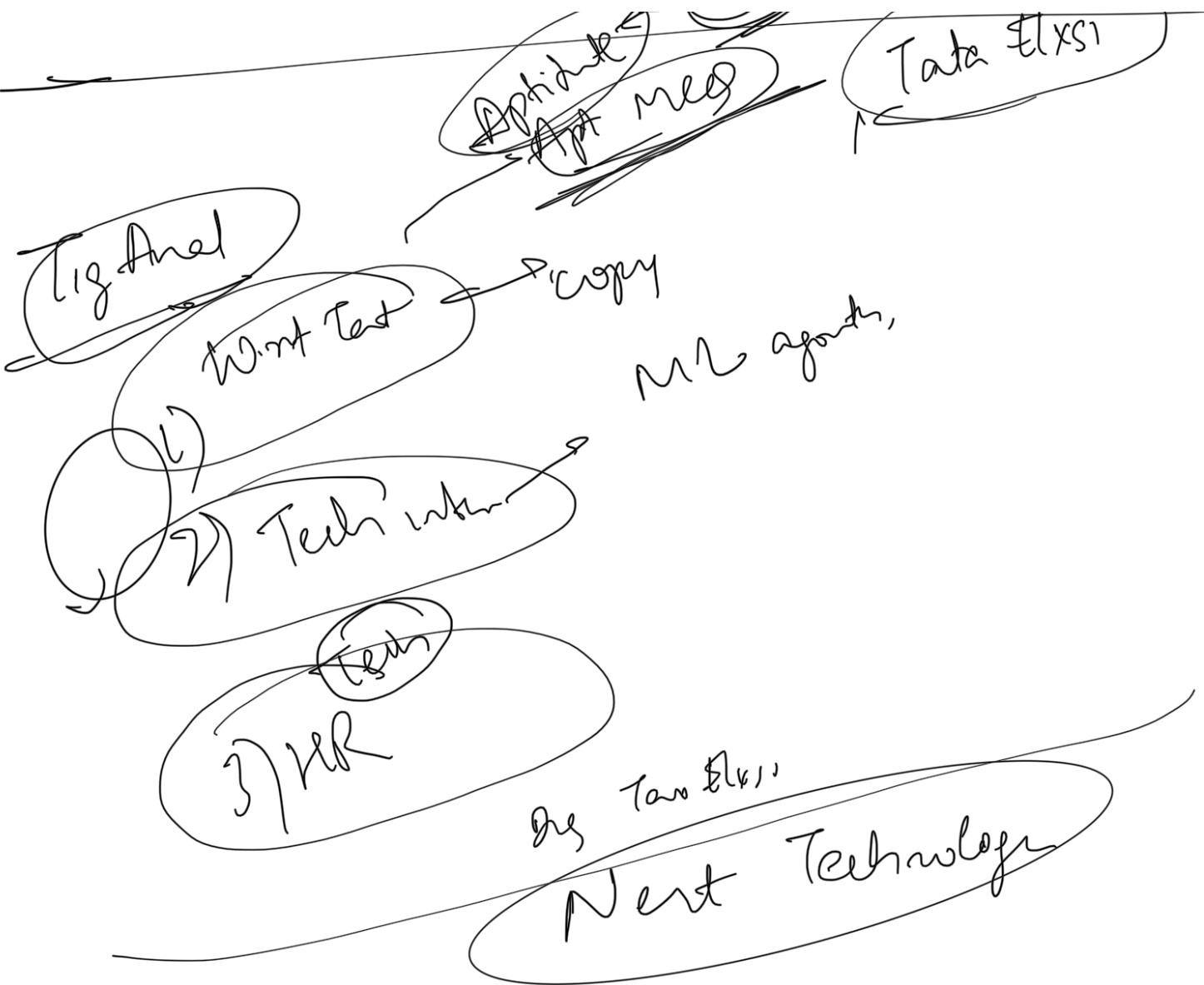
~~ls~~ ~~recently mod file~~
~~ls -lh~~

~~ls -l~~

~~ls -lt~~

~~ls -lat~~

~~recent mod file~~



DIRECTORY management

`mkdev devname*`

home directory (before \$) dn

/ → absolute Path

/ - ~~word direct.~~

Relative paths

↳ move from direc to dir

cd

cd direct_name

to move

empty

cd ~

go back home directory

cd -

prev work directory

mv old_name

new_name

rm directory

rm file

dir_name

9m

(pwd)

parent work direct

create abc dire

& sub

cd. current

(cd ..)

→ 1 step dire back

create parent direct in single com

(~~no~~ mkdir

-P path1/path2

touch filename

→ empty file

Assume

-- J

rm -rf & ~~path/directories~~

remove dir & file

in one shot

File Permissions

3 permission

r read
w write
x exec

ls -l

ls -lha

owner members of group all other user

2 methods

① symbolic method

chmod g+wx files

0+

chmod g+rwx file

0-r

u-

g+rwx

0-r

u=rwx

f add
- removal
-

new

② absolute meth / octal meth

0 no permission - - -

1 ~~wx~~ execute - - x

2. write - w -

... .

| | | |
|---|---------------------|---------|
| | W or flexent | - w r |
| 3 | | |
| 4 | read | r - |
| 5 | read + exec | r - x |
| 6 | read + write | r w - - |
| 7 | read + write + exec | r w x |

chmod - R. --- (dir_name)

u g o
777

777
6 71

test = "Unix Programming"
q q don't grep

g also \$ test
grep fetch part word
f to find word or character

grep

pipe.

find → sort → grep

diff filename

S or

process instance of program
process id

run process but

find .. /

gzip → zip

gunzip → unzipped

unzip -a zipfile

history

clear

diff file1 file2

nohup

to run process in background.

✓
Wel - a Pid