Day: 02

How shell works with kernal:—

End user types
a command on terminal
eg: touch sum. txt

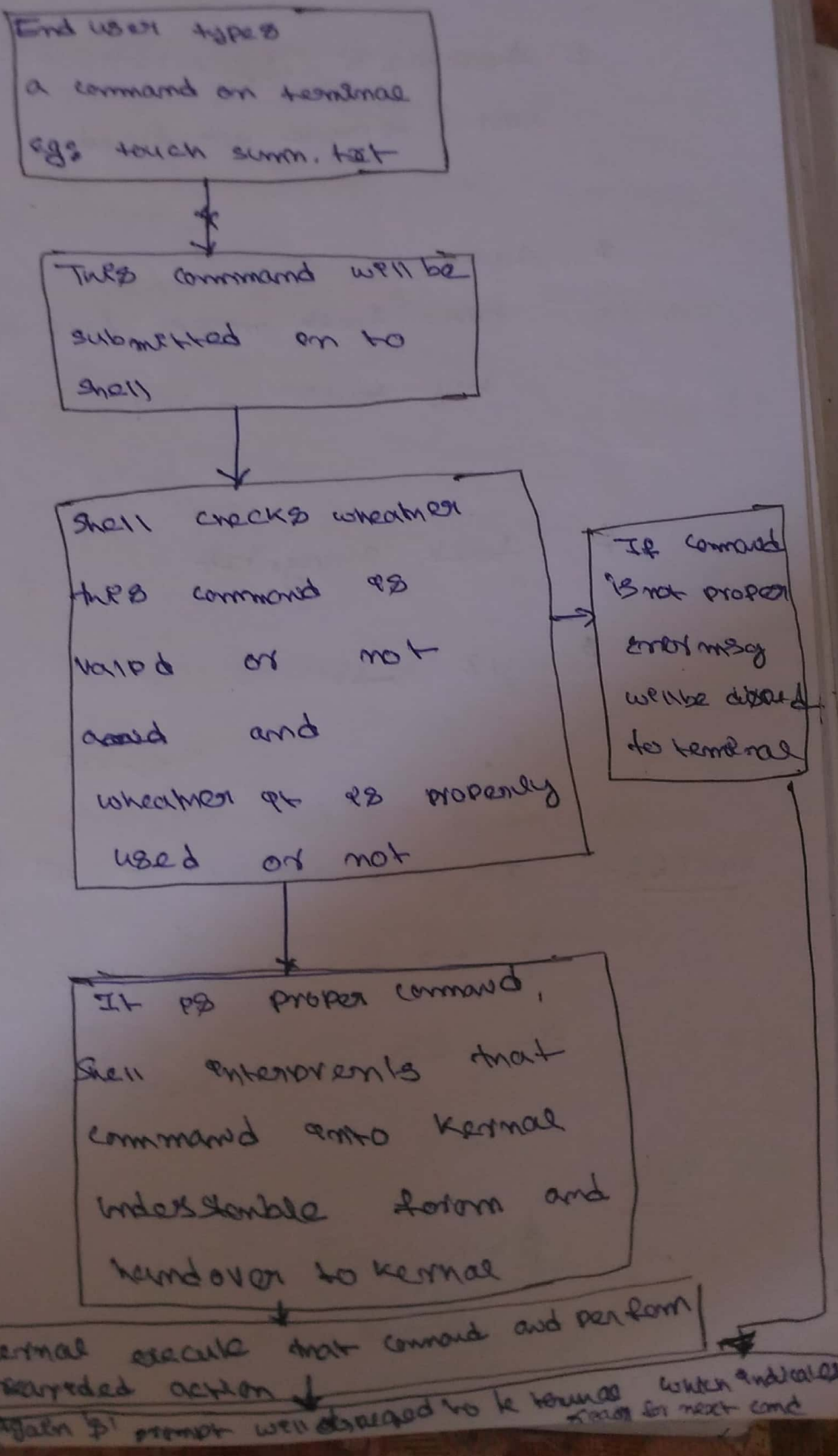
↓

This command will be
submitted on to
shell

↓

Shell checks wheather
this command is
valid or not
and
wheather it is properly
used or not

→ If command
is not proper
error msg
will be displayed
to terminal



↓

It is proper command,
Shell interprents that
command into kernal
understable form and
handover to kernal

↓

kernal execute that command and perform
rearided action

↓

again $' prompt will displayed to the terminal which indicates
ready for next cmd

Eg:-

$ touch123 logan.txt

error :- → cmmd not found

$ touch

error: touch missing file operand &

try touch --help for more info

$ touch sunny.txt

$ ls -lt

* .. - -- sny.txt

NOTE:- In linux two types of user 1. normal user
2. superuser

$ → For normal user

→ For super user (admin/root user)

Eg:-

$ who am i

logan mohan ---> Normal user

* to create super user

'$' for normal user → $ sudo -i

[sudo] password:

'#' for root user → #whoami

root → root user

#exit

logout

$ whoami

gagan mohan → normal user

* $ and # varied from software to flavor of unix operating system.

* some times instead of '$' we used '%'.

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Online UNIX Terminal:-

http://www.masswork.at/jsuix

* It is free unix terminal and written in JavaScript.

* we can ~~use~~ acces this terminal by any browser like chrome, fire box e.t.c

* we can use this terminal to check very basic command functionality

open terminal → alt + ctrl + t

cros terminal → ctrl + d

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very basic commands :—

* some verbal commands we regularly used.

① pwd :- * present working directory

* It prints present working directory

eg:-

$ pwd

/home/moran

② ls :—

* list the all files and directories

eg:-

$ ls

= index classes

③ mkdir :- * to create a new directory (folder)

eg:- $mkdir index classes

④ cd :—

* change directory

eg:- $ cd index classes

$ pwd

home/moran/ index classes

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5. touch :- to create any empty file

eg:-

$ touch notes.txt

$ ls

notes.txt

6 rm :-

* to remove a file or directory

$rm notex.txt

$ ls

→ nothing

7. rmdir :-

* To remove directory

* rmdir is applicable only for empty directory.

* If directory is non empty we get error

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9. date :- * to display current system
* date and time

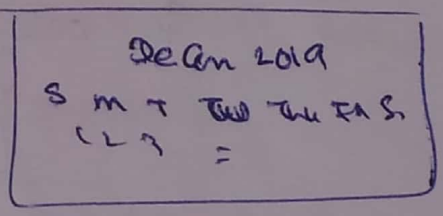
eg:- $ date

sat , 28 dec 2019 14:04:21

9. cal :-

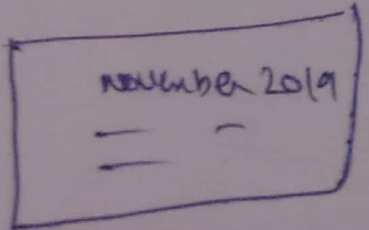
* to display current month
calander

* eg:- $ cal



* to display specified ~~last~~ month
calander

* eg:- $ cal 11 2019
~~number~~ month name



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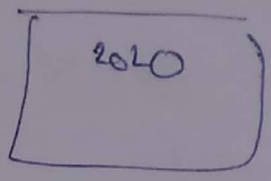
eg:-

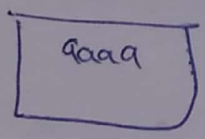
$ cal 2020 → It is not work in online terminal

* $ cal 2020 → local machine terminal



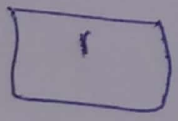
* enter 2020 calder displayed.

$ cal 9999



* 9999 year cal will ~~[illegible]~~ displayed

$ cal 1



* 1st ~~[illegible]~~ year cal displayed

* $ cal 10000

cal: years 10000 not in range 1..9999

10. help:- → To display list of all commands

$ help

alias

cal

Set an alias

calender

— — —

— — —

11. hello :- To display basic system information

eg:- $ hello

12 clear :- * To clear terminal (ctrl+l)

eg:- $ clear

13. exit :- * To logout current session (or) to exit terminal

eg:- $ exit

Summary of Day02 :-

1. pwd
2. ls
3. mkdir
4. cd
5. touch
6. rm
7. rmdir
8. date
9. cal
10. help

11 hello
12 clear
13 exit

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