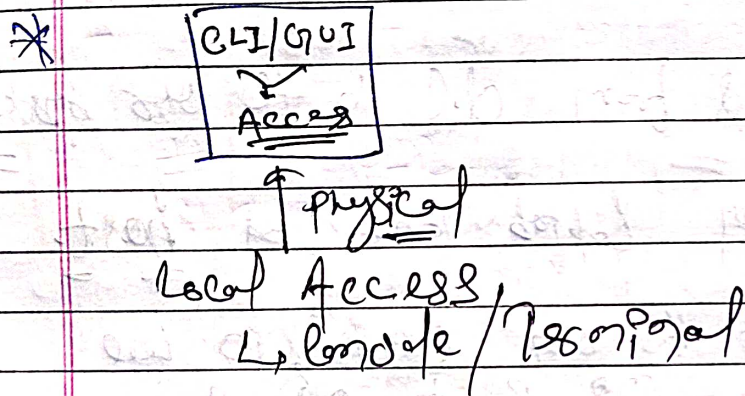
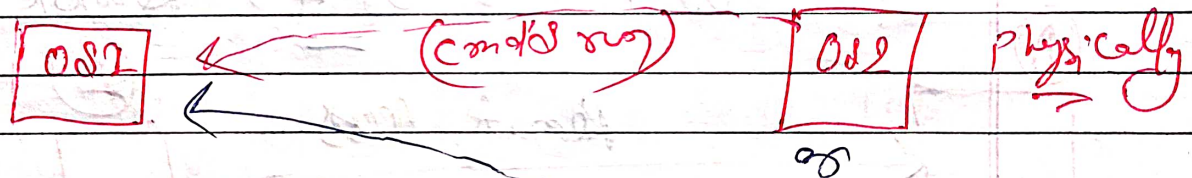


* We access our OS by GUI or CLI.

* We locally access our OS. If you want to use any cmd, you need to go to OS first.

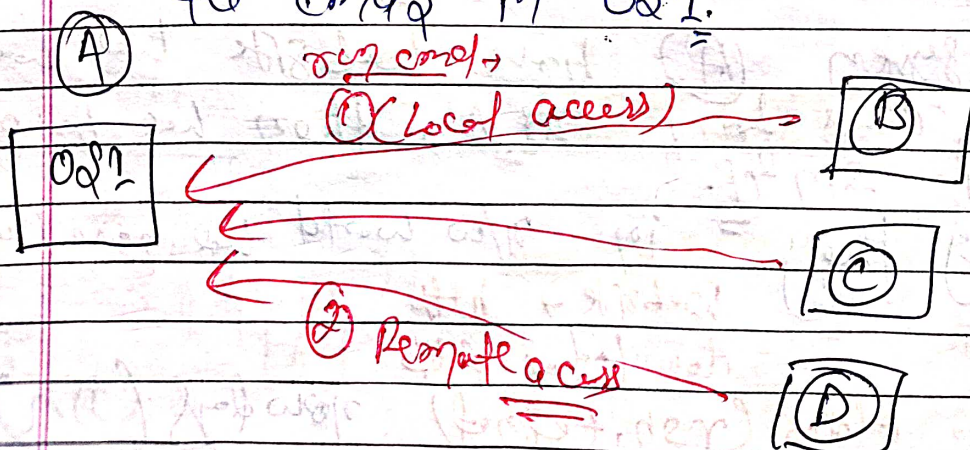


* If our OS is not there it is outside then how we can access our laptop. I go to OS & run the cmd.



* If you want to access your laptop, by laptop (24), mobile both are same.

* Keyboard, OS, Laptop is in OS2 but we run the cmd's in OS1.



* Two ways to run our cmd, from O/S 2 to O/S 1 →

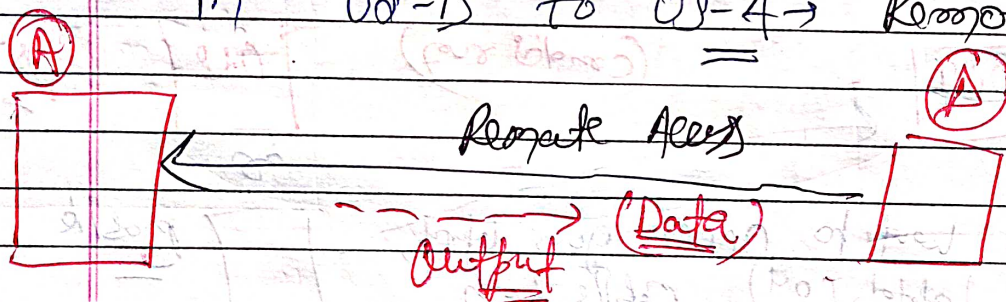
- ① Local Access.
- ② Remote Access.

eg. we use Cd from d.c to the our system.

* In n/w Every Laptop known as host.

* If we want to run cmd's we are sitting in O/S-B to O/S-A → Local Host.

* If we want to run cmd's we are sitting in O/S-B to O/S-A → Remote host.



→ In n/w systems we do it process, i.e known as Protocol.

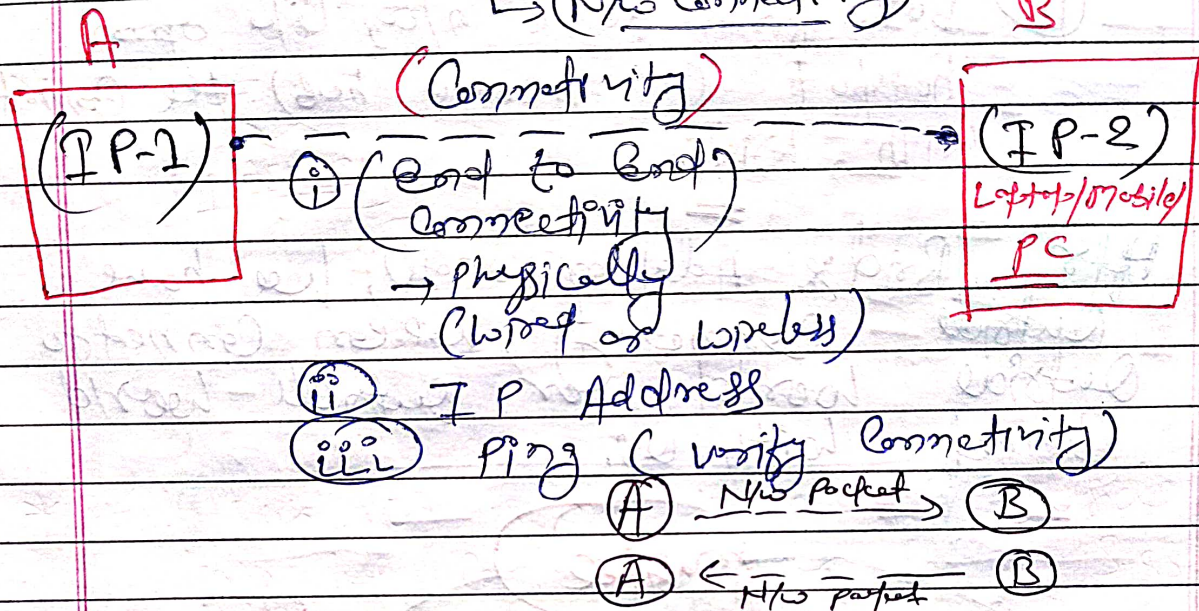
→ If system (A) have web site we want to access from O/S, then we have protocol sm thp.

* Every thing = in n/w world we have Protocol
website → http
download → ftp

* Remote → older (crsh, telnet), now days (ssh)

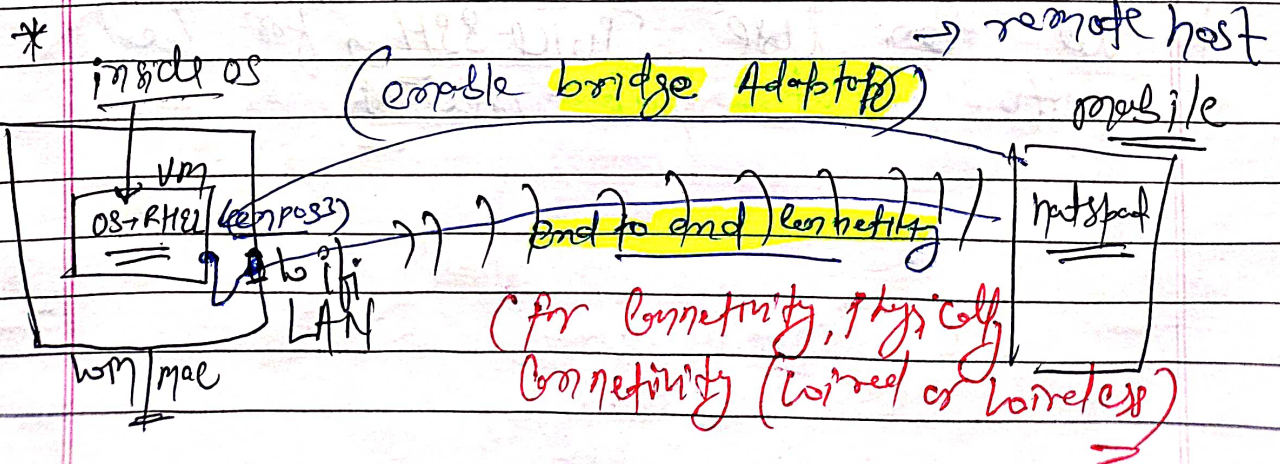
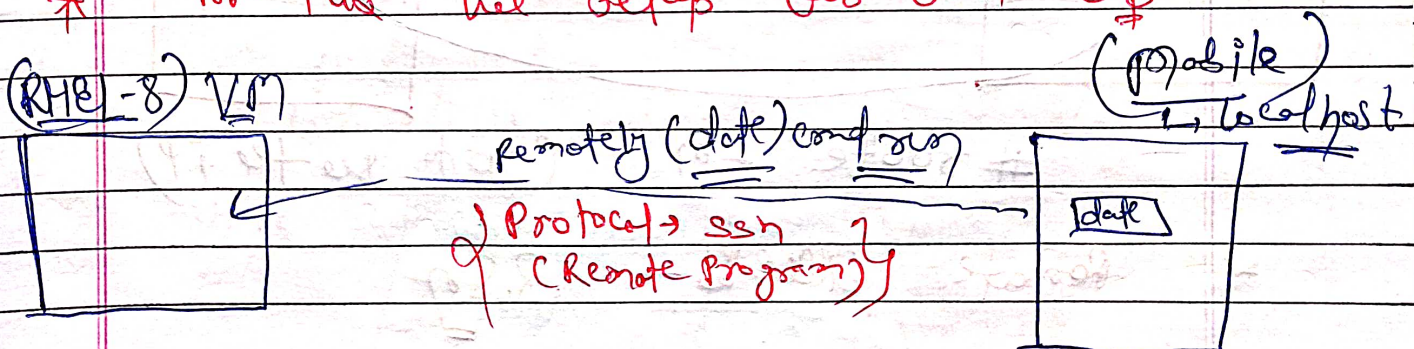
* ssh (Secure Shell) → Nowadays use for remote access, on remote cond.

* If you have two laptop →
Pre-requisite
→ (No Connectivity)



* We can use any laptop in the world, there Connectivity we need.

* for this we setup our own Lab.

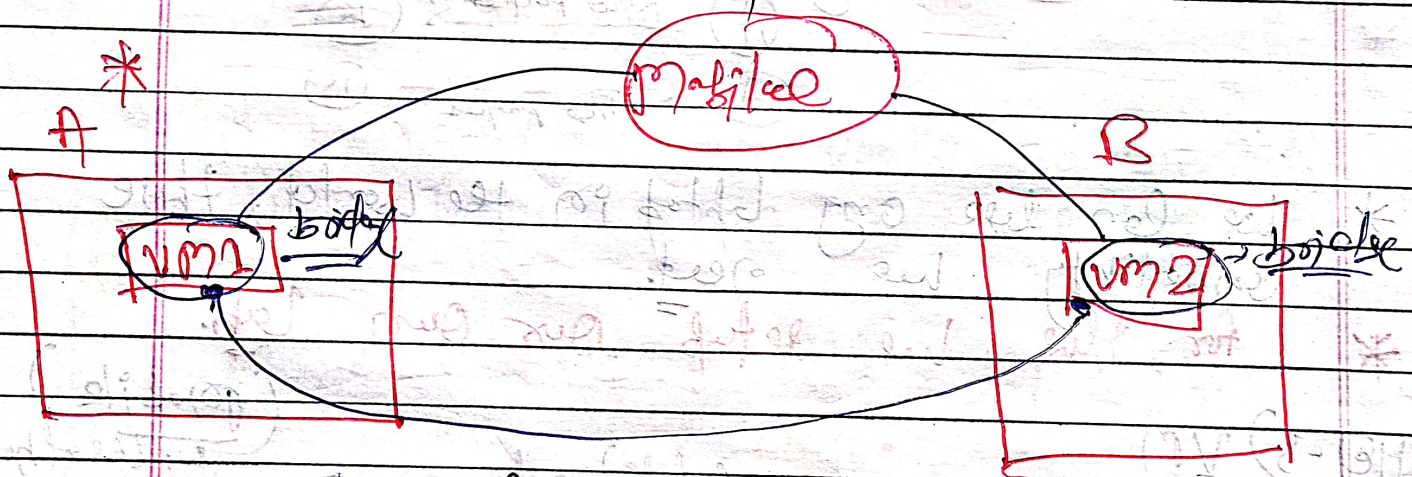


* For N/w connectivity from mobile to laptop →

(i) enable bridge Adaptor, that create end to end connectivity.

(ii) both from same n/w, like open hotspot (it become hub) we connect with wifi.

* After, Bridge Adaptor enable, we have Outside connectivity, we can connect to Outside world or Outside world connect with us.



route -n (go to see the ip)

* Remote Access → SSH

* we can use PuTTY SSH, for local to remote host access