

For example : Dropbox

When OS release Write Command then

Dropbox take the data from system and

give somewhere on the internet and

When OS load the take from

internet and give the OS. Increase

local space new device all have

to human size Virtual File

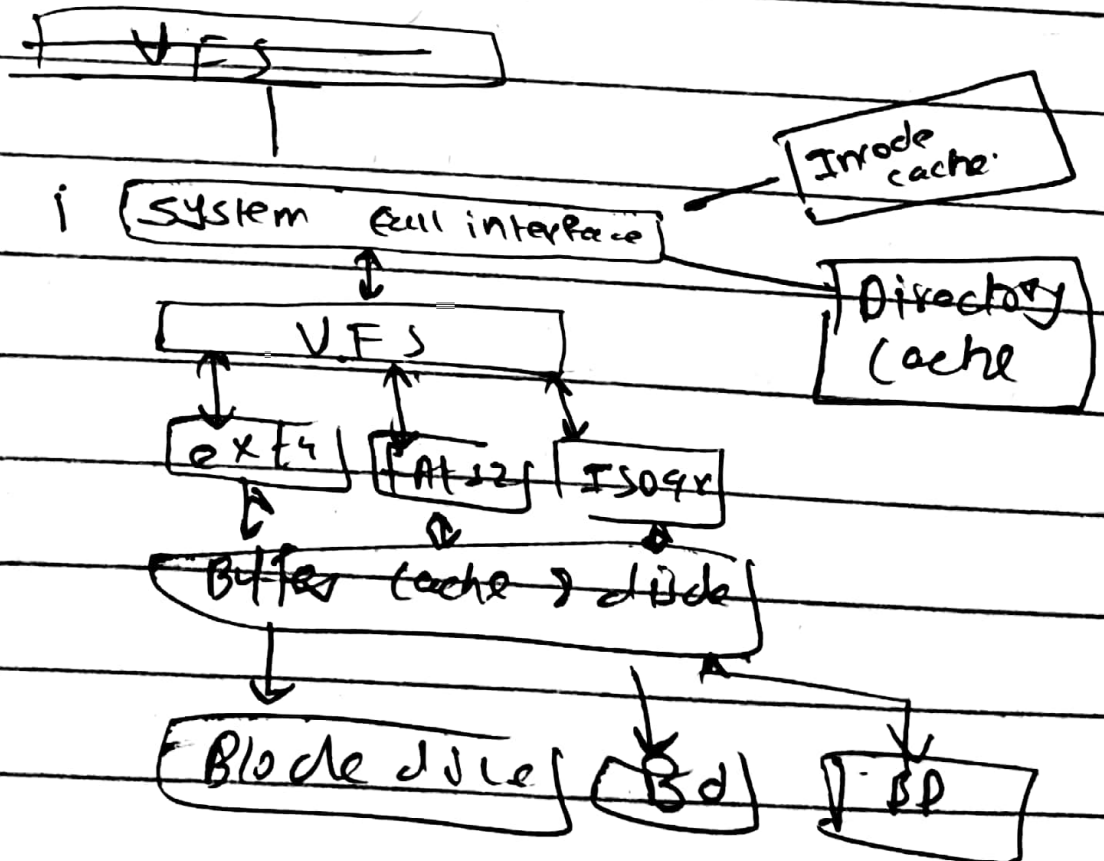
Virtual file system interface

Whenever we connect to device to computer
How computer interact with it this
is the concept of virtual file system.

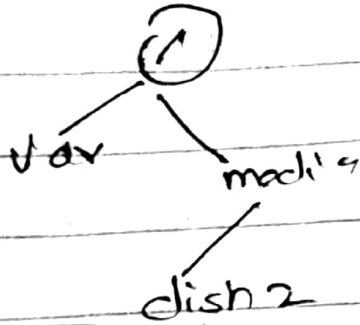
File Call. System call then

show Virtual File system Sys.Rm

then virtual file system interact with
All types of device



Multiple Volume

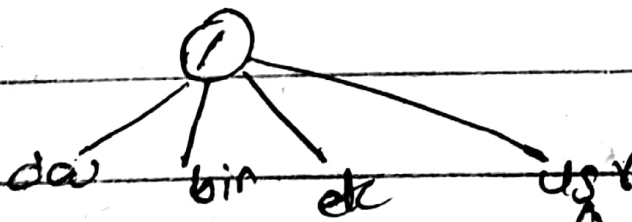


Metadata

Implementation

Mounting

↳ Any device to connect with OS this process is called Mounting



File system

/usr/a.txt

/usr/b.txt

34
19
15

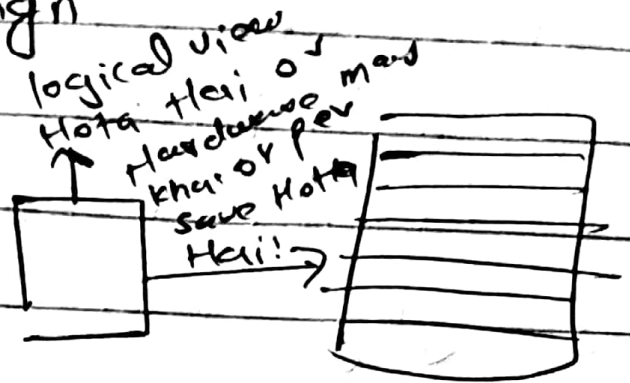
Avoid the use of pointer based
① Data structures

② File System Design

Abstraction

⇒ Systems

⇒ Virtual memory →



⇒ File system

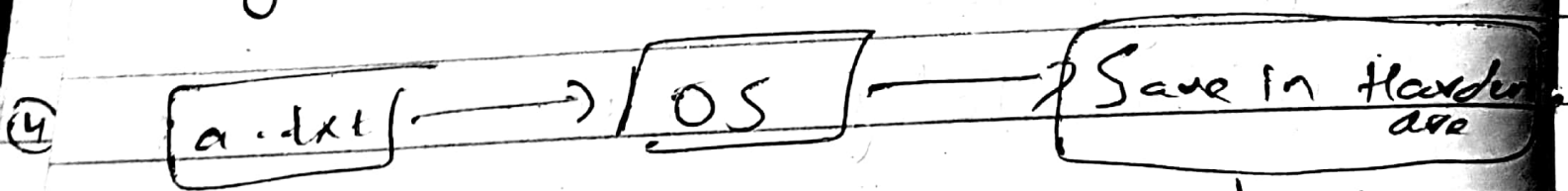
↳ Look Today??

Application

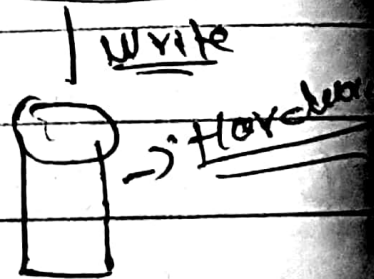
OS

For examples: Agher Hum a.txt file say karthy
Hai Hardware k. upper ya flash drive,
USB et to khesy karthy because
Every company hardware have different
logic To how ilc ko to handle
hai kar sulady

To is k hie hum a-text File ko
 (OS) ko duty hai & wo kam
 kary gha Now how He will
 dono bat is concept of
 Abstraction or is procedure
 k darmian Jo parts use
 ho ghy us ko File System
 kary hai.

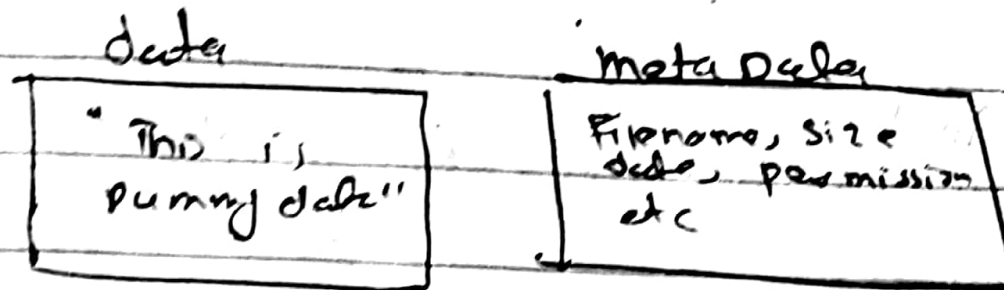


When Application programmes
 say to save a-text, then OS
 will start the work how
 would it save it in the Hardware



So what is file system conceptually??

Organization of data and meta data



⇒ file system interact with block device
Stream device

↳ that has no concept of addressing like network card, printer etc

Design Choice

↳ Name Space

metadata vs. data
save locally Here

File, Atomic or other?

↳ Amazon S3