Introduction to the Database

What is Database

Why do we need databases

File Based Storage System

Challenges of FileBased Storage System
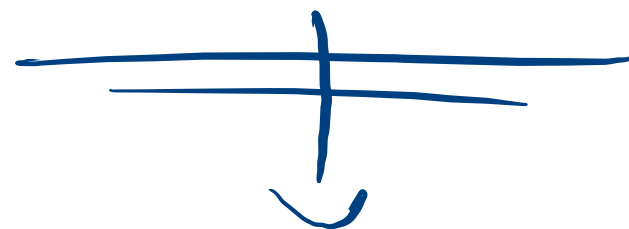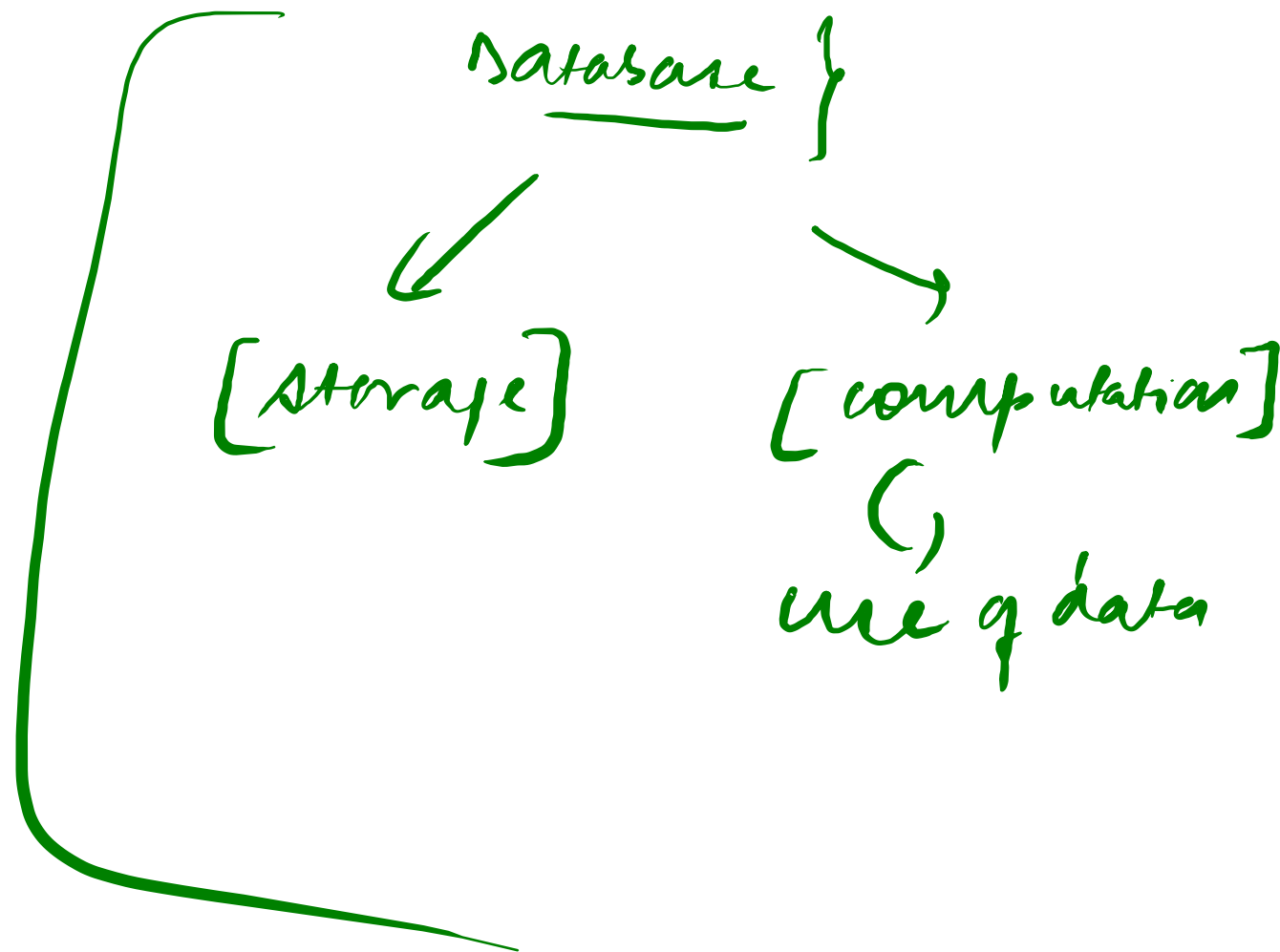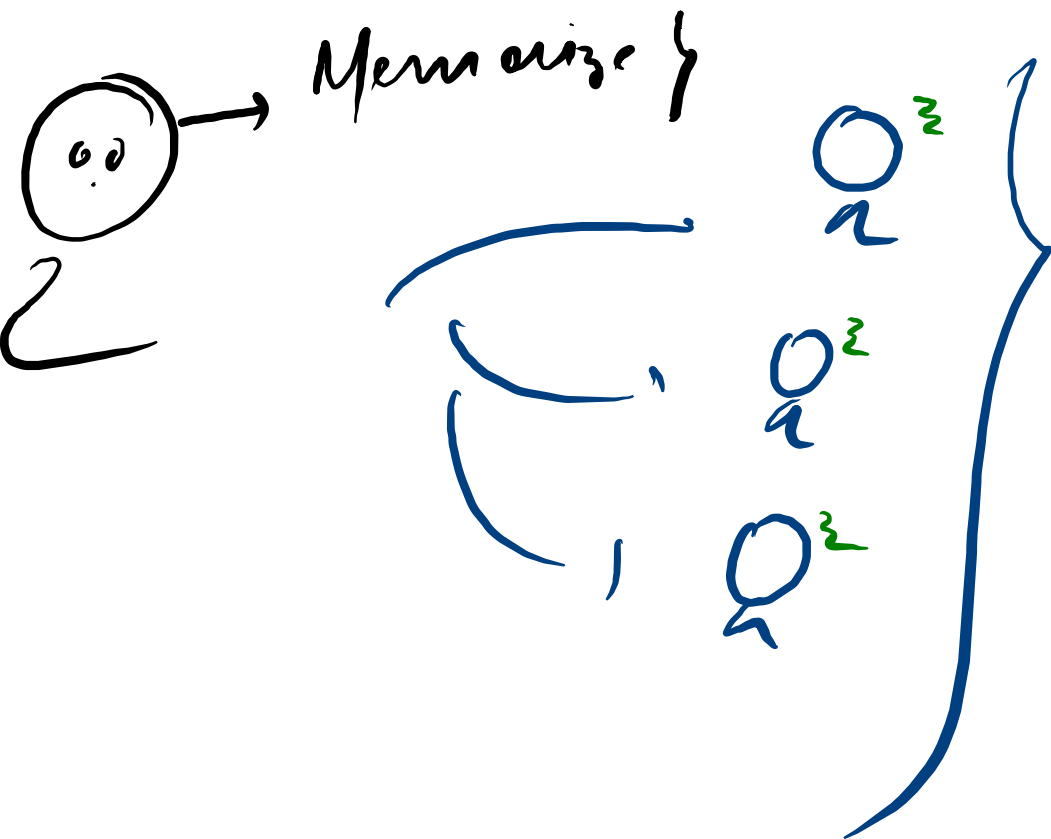
Database Management System

Data Modelling

$\boxminus$ $\longrightarrow$ Database $\}$

What ?

$\downarrow$

$\leftarrow$ $\boxed{\text{Why}}$ $\}$

$\boxed{\text{How}}$

What is a Database ?

Data + Base

Memorize }

O_a^2

O_a^2

O_a^2

Database }

[Storage]

[computation]
() use of data

Memorize }

Store
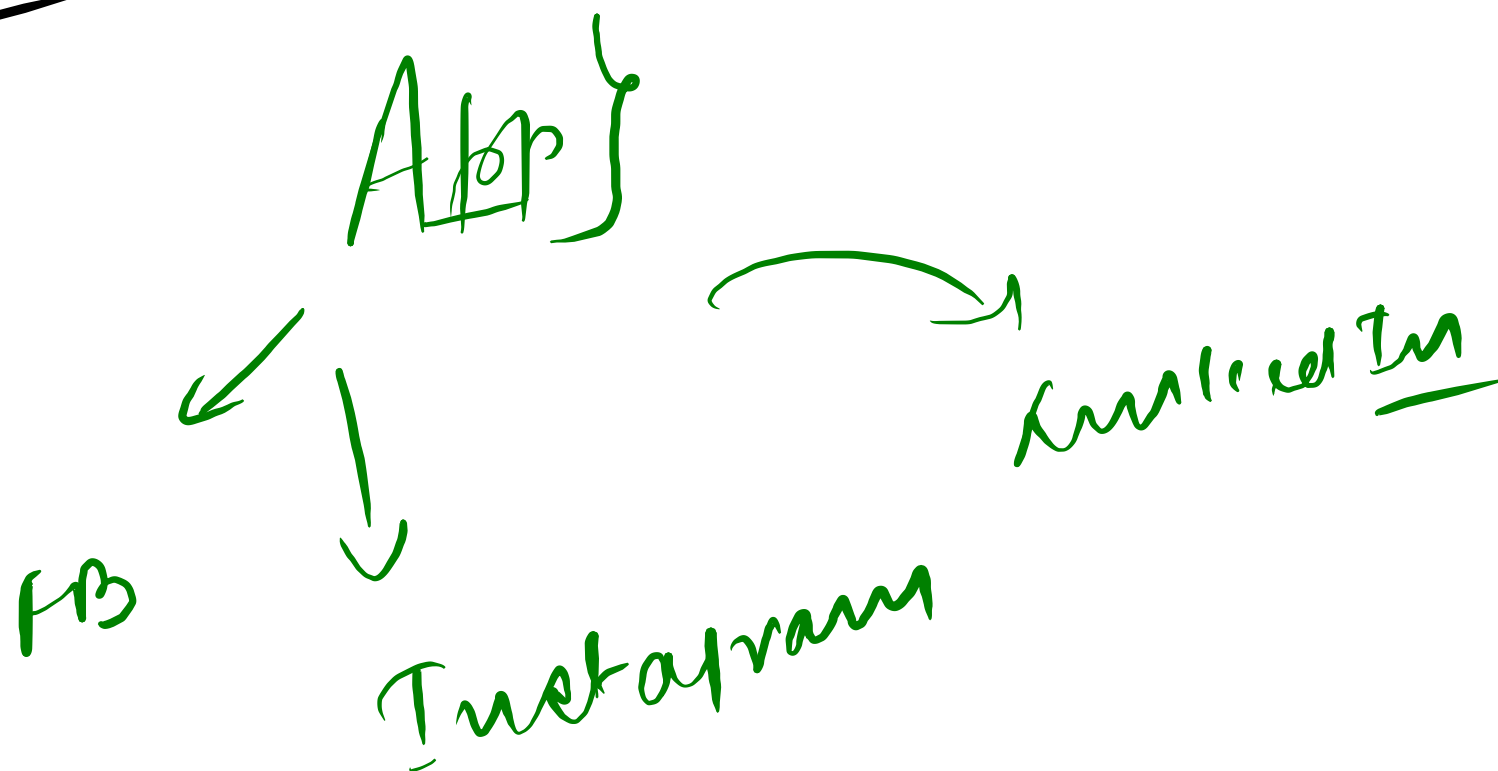leaps
Tree walks
}

Paper {
↓
write / Read }

Computer }

Transfer
data / information]
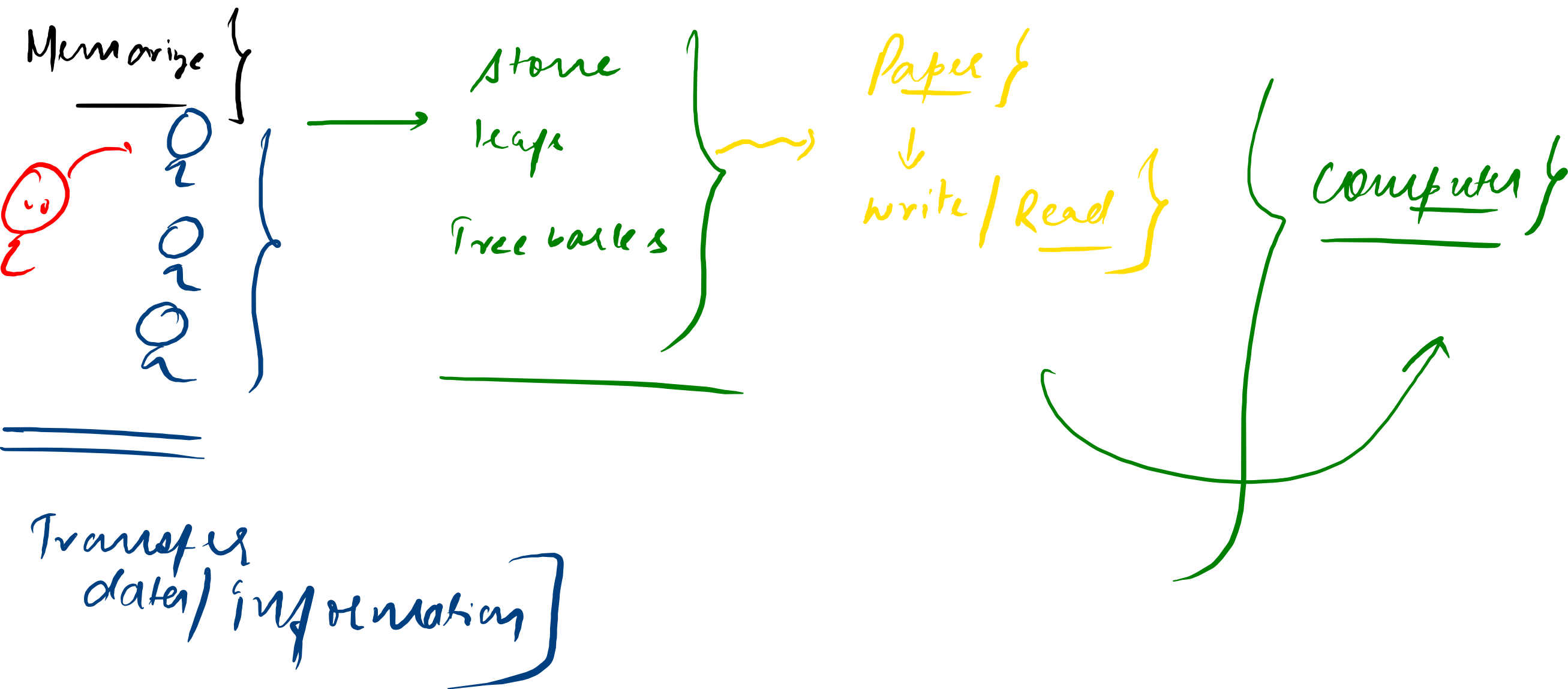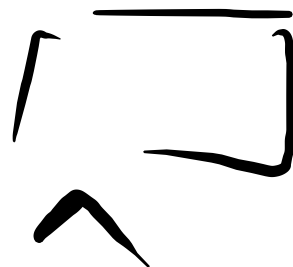
① store data

② Use data

computation

database

Why ?

App {

FB

Tnetagram

Snulized In

FB
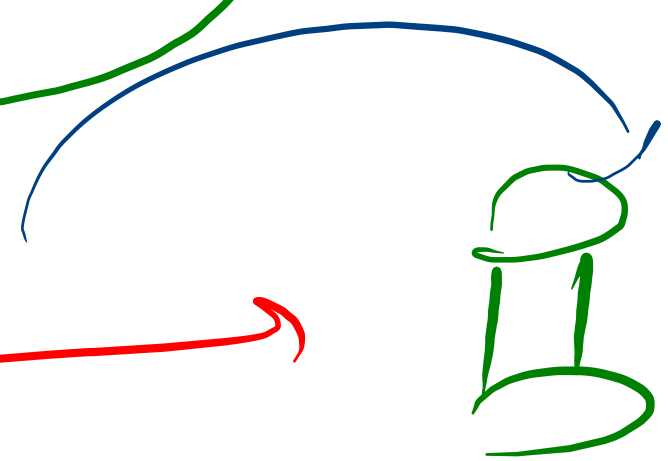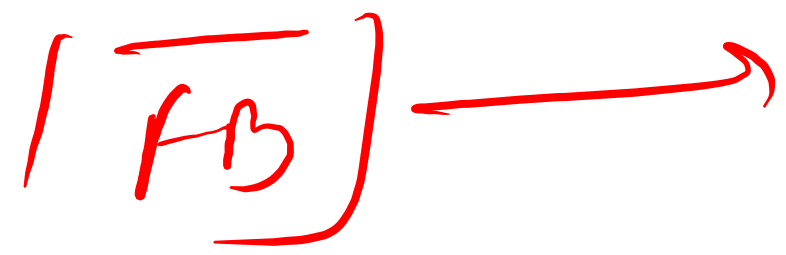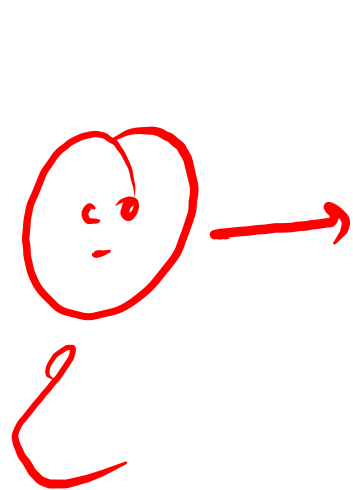
image

images/content
friends

FB

storage/computation

$$\boxed{\;}$$

O$\rightarrow$ what $\begin{cases} ① \text{ store} \\ ② \text{ compute} \end{cases}$
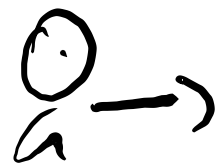
why $\begin{cases} \text{No application is} \\ \text{possible w/o Databases} \end{cases}$