


Execution

Insights

Computer

Phone TV ^{remote} Charger Alexa ^{calc}
Wireless Headphone ^{to}
" Keyboard ^{to} Mouse
" Speakers ^{Smart} Applications ^{AC}

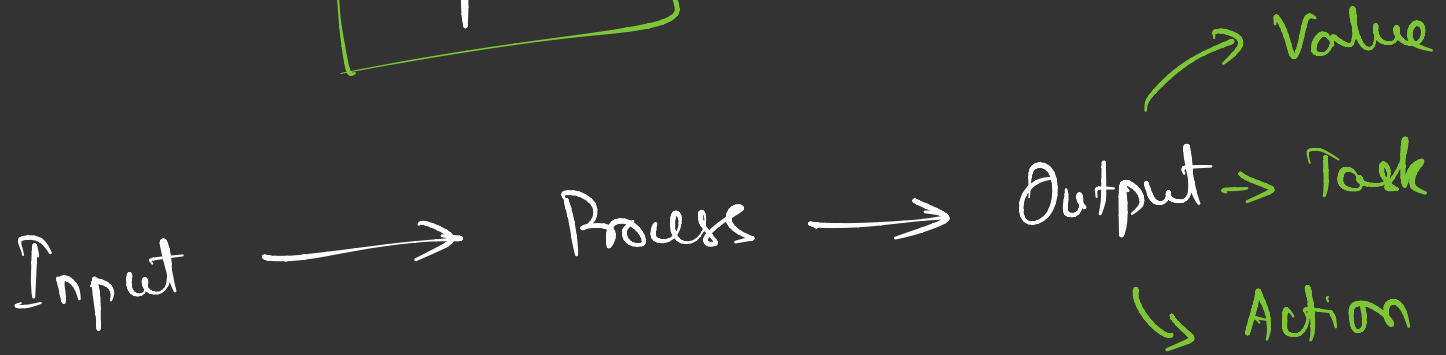
NEU Routers PS5 Tablets
Car Smart Watch, PC, WE,
RPi, AirPods, Lift Camera
^{Car} ^{key} Powerbanks, Etc, XRAY

Not Computer

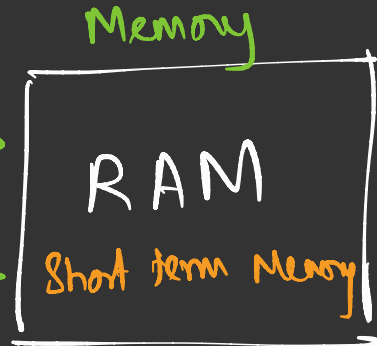
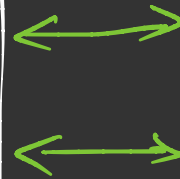
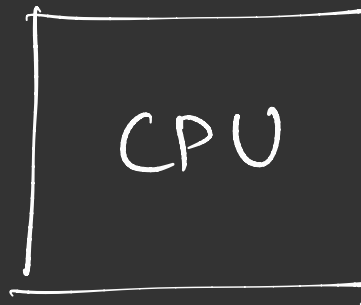
Headphones (wired) Tubelight
Mixie, Analog Oven

Pen drive, RAM, Batteries
Whirl Watch, Torch Light,
Bell, AC, FM Radio,

Computer

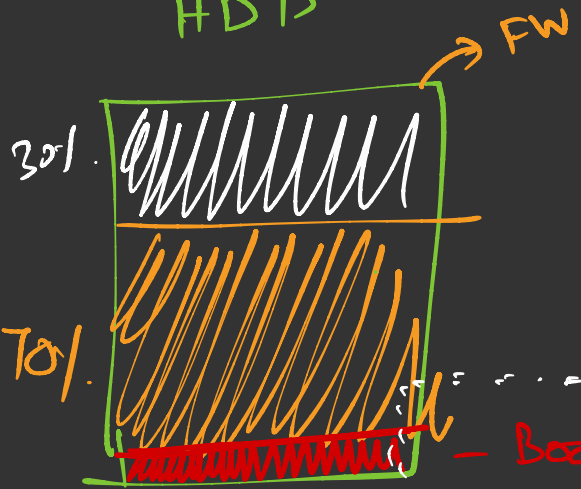


Brain



SSD - 50 MB/s
5 GB/s

HDD

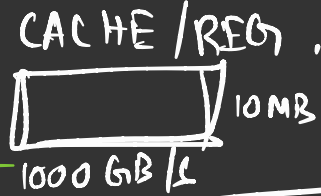
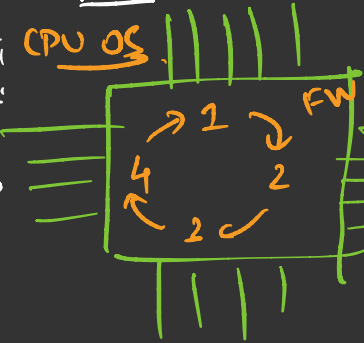
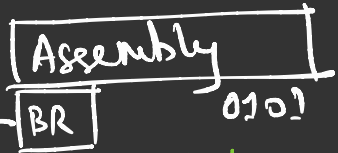


1 TB

①

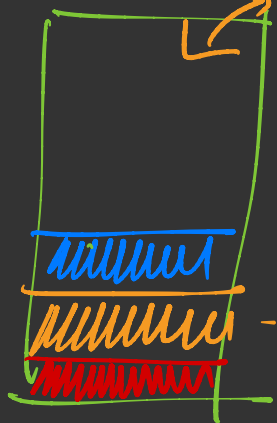
- 1) Load boot
- 2) Exec boot

- 1) FETCH - (RAM) *Listening*
- 2) DECODE *Processing*
- 3) EXECUTE *Thinking*
- 4) STORE *Replying.*



CPU Firmware

100 GB/s

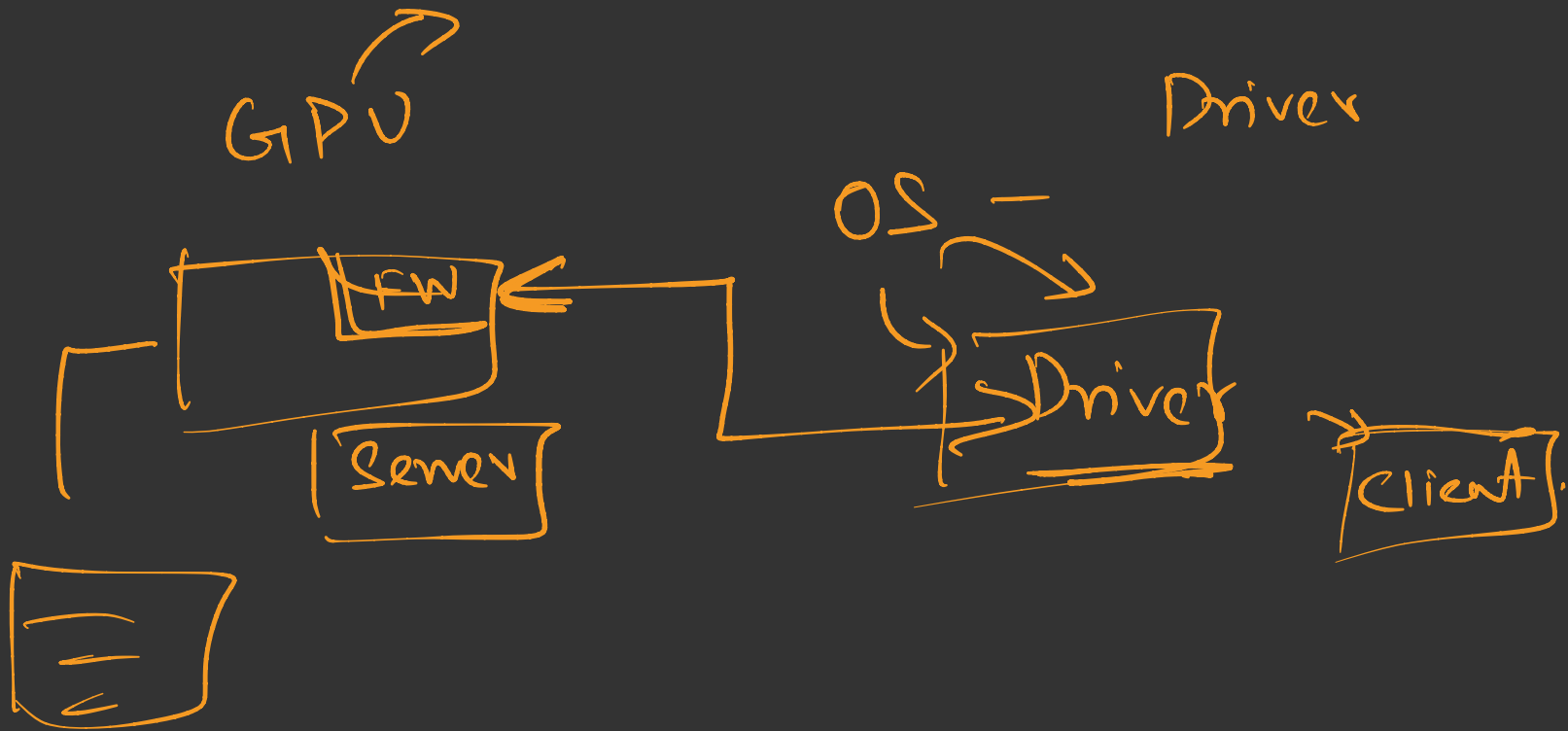


8 GB

volatile:

Firmware

- 1)
- 2) OS



Hz

3 GHz

$$\begin{array}{ccccccc} & k & & m & & G & \\ & 1000 & \times & 1000 & \times & 1000 & \times \\ \hline & 1000 & \times & 1000 & \times & 1000 & \times 3 \end{array}$$

$$3000\ 000\ 000 \rightarrow /s$$

$$1\ Hz \rightarrow 1/s$$

$$\begin{array}{lll} 1000\ Hz & - & 1\ kHz \\ 1000\ kHz & - & 1\ MHz \\ 1000\ MHz & = & 1\ GHz \end{array}$$

Homework :

→ Research

Types	
Computer	Architecture