

30/06/21
Wednesday

ch-3 Memory

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Memory:

The storage capacity of a computer is called its memory.

Memory Types:

Primary Memory
Secondary Memory

1) Primary Memory:

* It is the main memory.

* It is also called internal memory.

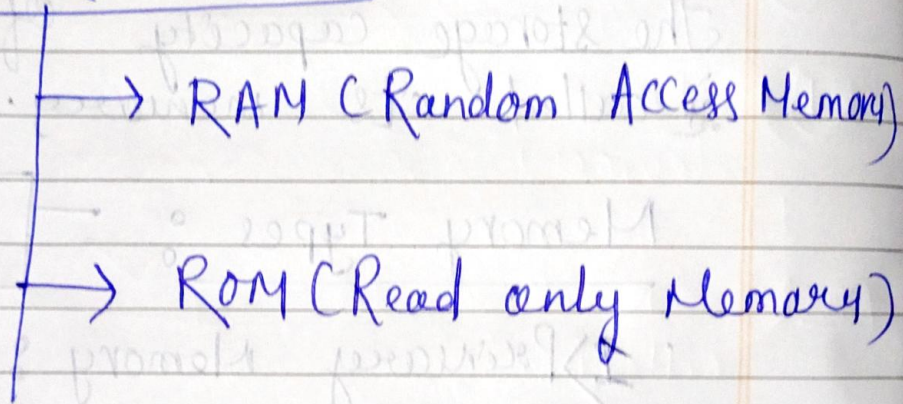
* It is fixed inside the CPU Box.

2) Secondary Memory:

* To store data and instruction permanently. [Does not get erased]

* It is also called auxiliary memory.

PRIMARY MEMORY



RAM:

* It is also called read/write memory

* It is short-term memory

* When the computer is shut down, this memory is erased.

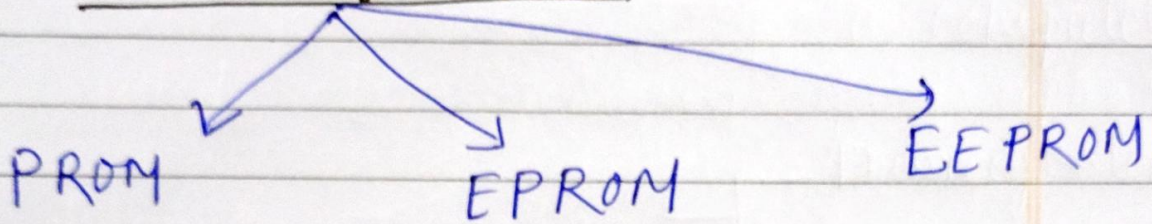
* We can compare it to a blackboard.

ROM:

* It is written when the computer is being made

* It cannot be changed. [Permanent instructions for the CPU]

Types of ROMS :



PROM : [Programmable Read-only Memory]

* They can be programmed once and cannot be erased.

EPROM : [Erasable PROM]

* Data can be erased using ultraviolet rays

EEPROM : [Electrically Erasable PROM]

* The stored information can be ~~erased~~ erased using electric current