

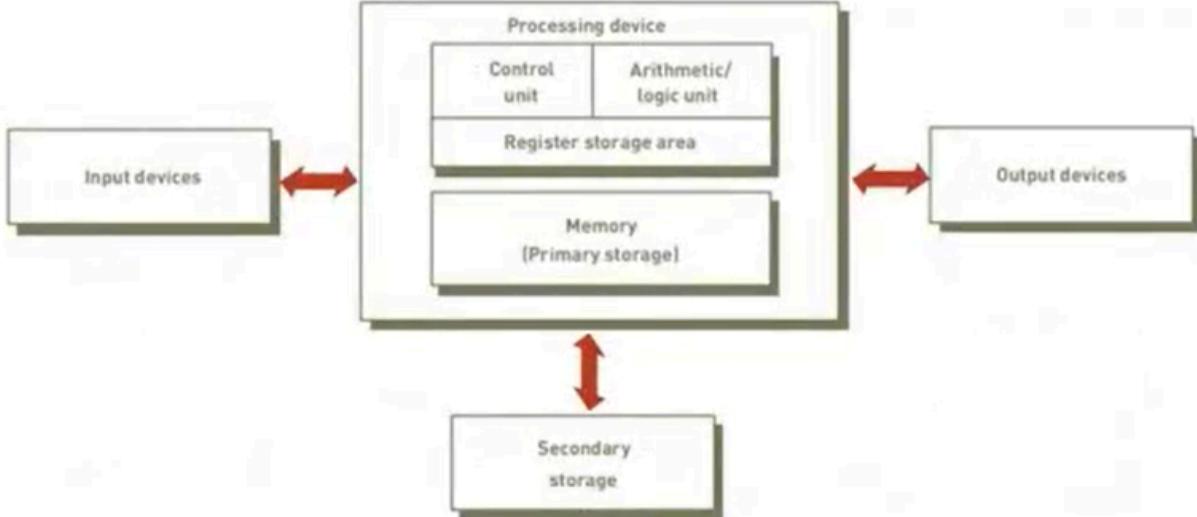
Von Neumann architecture, Stored Programs Idea

Von Neumann, Central Processor, Memory, Storage, Software

Von Neumann architecture

Von Neumann architecture describes the model of a computer that has:

- Central Processor
- Memory
- Storage
- External Devices (*Input and Output Devices*)



Stored Program Idea

"Back then, software wasn't a thing so each computer only did 1 operation/task"

The new stored program idea was that:

- not only should the data be stored in memory but that the program processing that that should also be stored in the same memory
- *This is also seen as the birth of Software, as this logic helped computers run different programs loaded in its memory rather than being programmed to a certain logic.
- This architecture forms the basis of modern computers