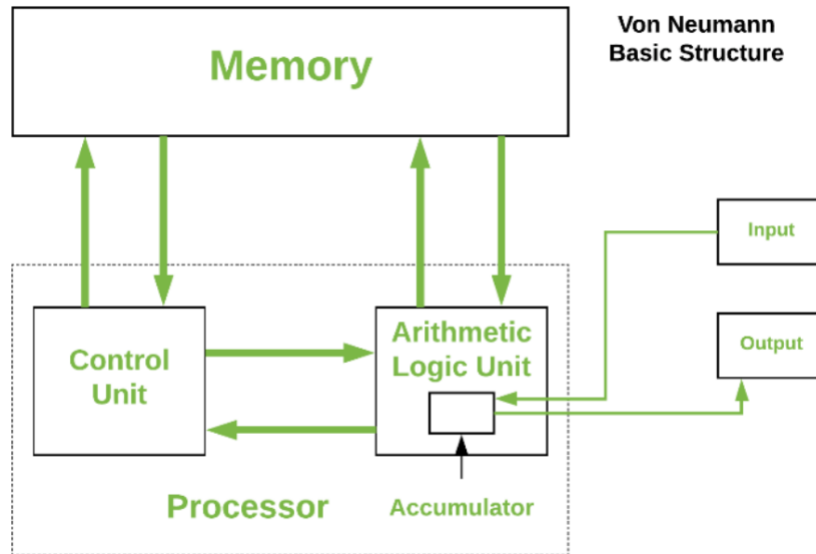


Test # 1

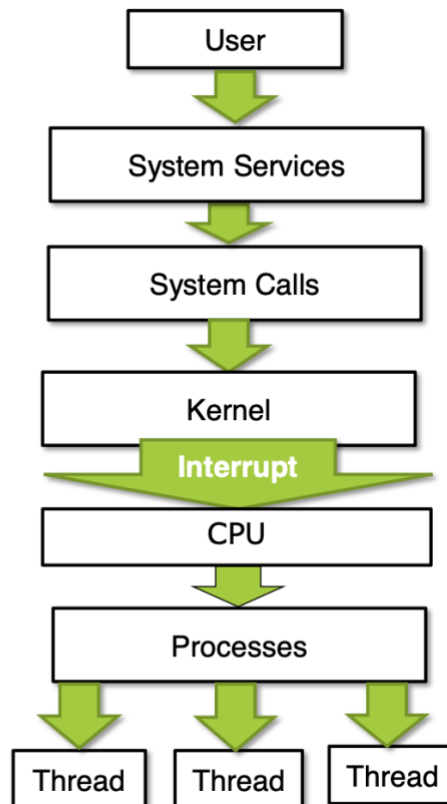
Jiading Zhou, Jan 28th, 2025

- List Cloud Computing Services?
 - Private Cloud (On-premises)
 - Infrastructure as a Service,
 - Platform as a Service,
 - Function as a Service (Serverless),
 - Software as a Service.
- Computer system can be divided into four components, list them?
 - Hardware, Operating System, Application Programs, Users
- What is VUI?
 - VUI stands for Voice User Interface.
- What is an Interrupt ?
 - Interrupt is the mechanism by which modules like I/O or memory may interrupt the normal processing by CPU. It may be either clicking a mouse, dragging a cursor, printing a document, etc the case where interrupt is getting generated.
- List one advantage of Interrupt?
 - Interrupt increases the efficiency of CPU.
- List types of cloud computing?
 - Public cloud, Private cloud, and Hybrid cloud
- Explain Von Neumann architecture (you can use a diagram to explain it)?
 - Von Neumann architecture contains Memory, Input and Output, Processor (which includes Control Unit, Arithmetic Logic Unit, and Accumulator).



- List the components of Big Picture of OS?
 - User -> System Services -> System Calls -> Kernel -> (Interrupt) -> CPU -> Processes -> Threads

The Big Pic of OS



- List the factors in Storage systems hierarchy?
 - Speed, Cost, Volatility
- What is Polling?
 - Polling is not a hardware mechanism, its a protocol in which CPU steadily checks whether the device needs attention. Wherever device tells process unit that it desires hardware processing, in polling process unit keeps asking the I/O device whether or not it desires CPU processing.