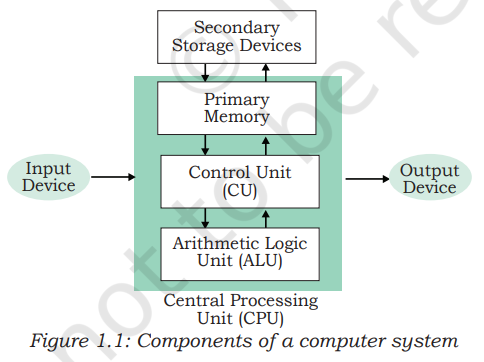
* **Computer**
* A computer is
* An electronic device
* that can be programmed to accept data (input),
* process it and generate result (output).



* And store the information for future use
* **Computer System**
* A computer along with additional hardware and software together
* Computer system **=** computer **+** additional hardware **+** additional software
* A computer system primarily comprises
* a central processing unit (CPU),
* memory,
* input/output devices and
* storage devices.
* All these components function together as a single unit
* to deliver the desired output.
* **CPU - Central Processing Unit**
* Known as
  + Brain of the computer
  + Processor
  + Micro-processor
* electronic circuitry of a computer
  + that carries out the actual processing
* Receives instructions & data through programs
  + Then the CPU fetches the program and data from the memory
  + performs arithmetic and logic operations as per the given instructions
  + and stores the result back to memory
* **IC - Integrated Circuits**
* a CPU can be placed on one or more microchips called integrated circuits (IC).
* The ICs comprise semiconductor materials.
* **Register**
* At the time of processing
  + the CPU stores the data & instructions
    - in its local memory
    - called registers.
* Are part of the CPU
* are limited in size and number.
* Different Registers are
  + Used for storing data & instructions or immediate results
* **Main component of CPU**
* A CPU has 3 main component
  + Registers
  + ALU ( Arithmetic Logic Unit )
  + CU ( Control Unit )
* **ALU - Arithmetic Logic Unit**