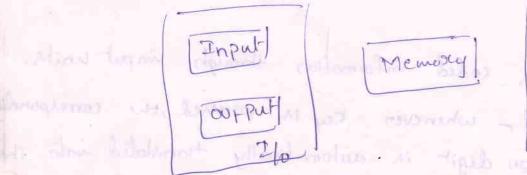
Input unit y Ilo unit
output unit
Memory unit

Anithmetic and logic unity -> processor.

control unit

- -> Input unit accepts coded information from human operator (or, from electromechanical devices (key board) (or, from other computers over digital communication lines.
- > The received information stored in the computer's memory for later references con immediately used by the ALU to perform the durined operations.
- -> Results are sent back to the outside would through the output unit.
- -> All of the above actions are tentralled coordinated by



connections b/w there units can be made in

- (2) > Intermation is coligosuged as either Instructions
 (ov) data.
 - -> Instructions are explicit commands that
 - computer out well as between the computer and the I/O devices.
 - (2) specify the ALU operation to be performed.
 - -> A list of instructions that perform a perficuleur task

 is called a program. usually program stored in

 the memory. : processor gets one by one instruction and

 performs the desired operation.

The computer completely controlled by the stored program.

The processed by another program.

Four Unit

-> computers accepts coded information through input units.

-> computers accepts coded information through input units.

Ex: (1) keyboard - whenever key in premed, the corresponding letter on digit is automatically translated into its corresponding binary code and transmitted to the

ex: (2) joysticks, toackballs, mounes - med as graphic inpute devices in conjunction with

display.

(3) Microphones - uned to capture audio imput

they units with different sports and san

-> there are a classer of storage

- programs must be stored in

 the memory while they are

 being executed.
 - * It contains large no q remiconductor storage cells, each can storce one bit at a time.
 - & These cells proceded in groups of fixed size called worlds.
 - a distinct addraw is associated 3 with each word location

The no of both in a woord in woord length.

> The capacity of the memory is one factor to caligorière the Size of a computer.

> The memory in which any location can be reached in a short and fixed amount of time after specifying

- -> The Home sugained to access one word is called the memory access time.
- -> The mesmosy of a computer is normally implemented as a memory hierarchy of 3 con u levels of semiconductor RAM units with different speeds and Sizes.
- -> The small RAM units are called caches. that are contained on the same inligiated circuit chip to achieve high performance.

Secondary storage - It is used when large amounts of data and to be stoned. ex: magnetic diets optical dists

-> Any asuthmetic and logic operations are initiated by

bosinging the sugained operands into the processor, where the operation its performed by ALU.

- -> when operated we brought into the processor, they are stored in high-speed storage eliments called registers. -> Each regiliter can livere one word at a time.
- -> Acres time to sugistous. Some what faster than. access time to cache.

-> The control unit and ALU we many times feaster than other devices connected to a computer system. It enables the processor to control the enternal devices such as keyboard, displays, magnetic disks, etc.

output whit

> Its function is to send processed results to the
outside world.

ex:- Printer.

-> some units provide both an olp function and an I/p tunction. en graphic displays.

the All activities inside the

- -> control unit kends control signals to other units and control unit Bender their Status.
 - -> I/o transford one controlled by the instructions of Ilo programs that identify the devices involved and the information to be transferred.
 - Timing signals are generalid by the control unit.
 - -> Timing signals govern the transfers, that determine when a given action is to take place.
 - > Data teamsfew between the procends and the membry are also controlled by the control unit through