

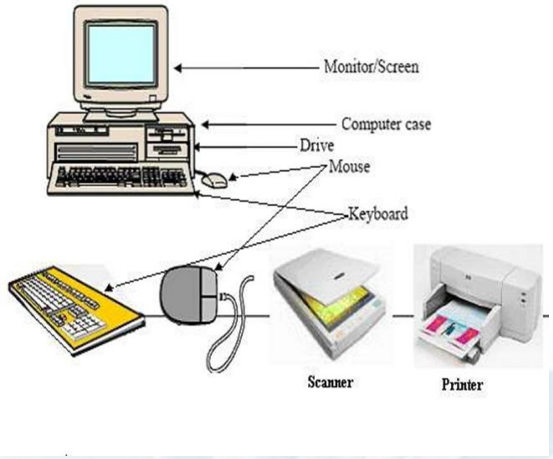
Chapter
3

INPUT & OUTPUT DEVICE



HOW ?

- Do you ever wonder how information gets in your computer and how comes out in a form you can use? So, It is only possible with the help of <u>Devices.</u>





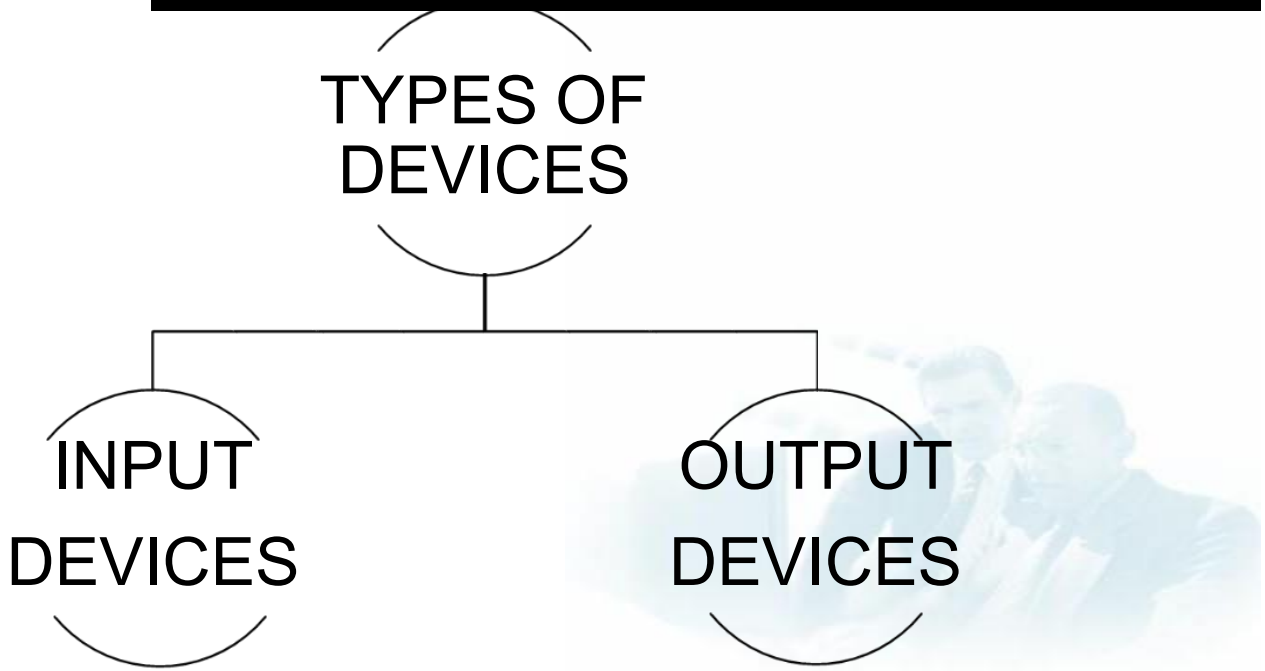
What is Device?

- It can be defined as the components or peripeharls which are attached to the computer to enter the data and get the desired result.
- Examples:- Monitor,Keyboard,Mouse,Printer, etc.





Type Of Device?





INPUT DEVICES

It is an Electromechanical Device that can be used to enter data and instructions to the computer.





INPUT DEVICES



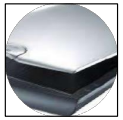
Input Devices



Pointing Devices



Keyboard



Optical Input Devices



Audio Input Device



Video Inp Device



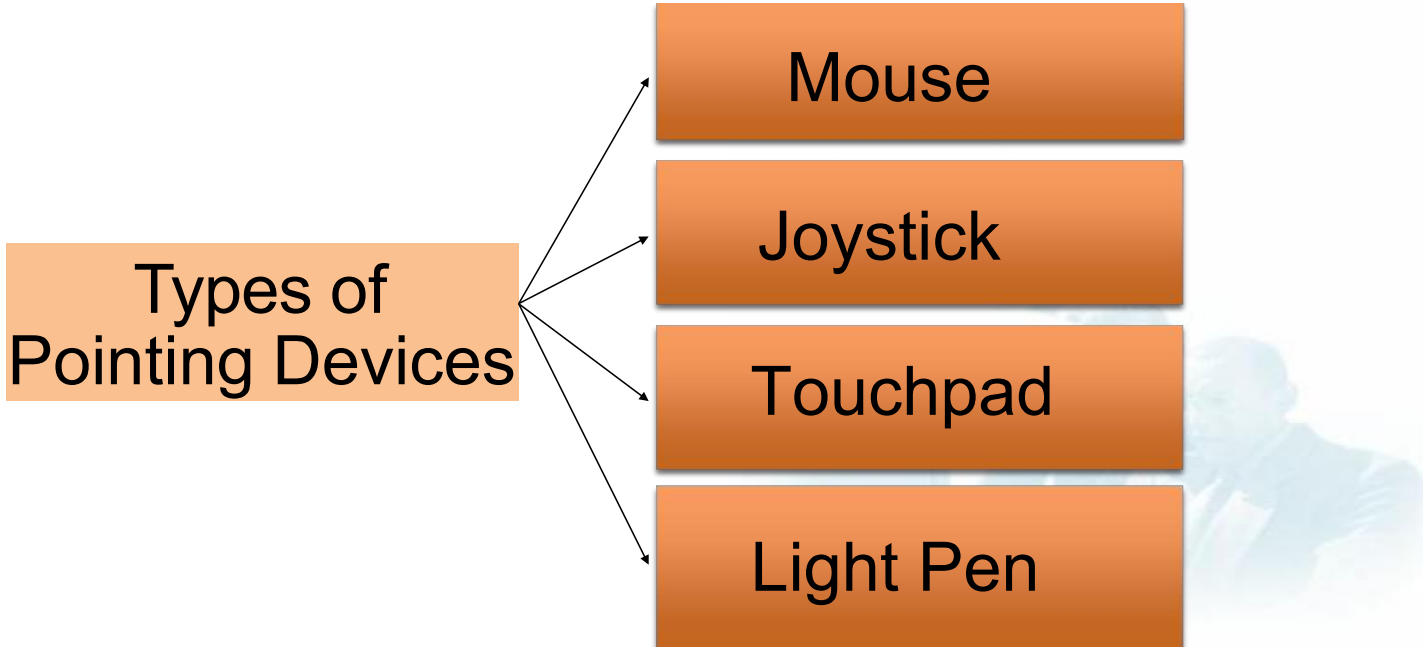
POINTING DEVICES

A pointing device, or sometimes called a pointing tool, is a hardware input device that allows the user to move the mouse cursor in a computer program or operating system.





POINTING DEVICES





MOUSE

- Mouse Was Invented In during 1960's. By **Douglas Engalebart.**
- Mouse can be used to control and manipulate cursor movement on monitor
- Types Of Mouse
  - Mechanical Mouse
  - Optical Mouse
  - Wireless Mouse





KEYBOARD

- Keyboard Was Invented By **Christopher Latham Sholes**
- A Keyboard is a human interface device which is represented as layout of button or keys.
- Features of keyboard:-
    1. Typewriter Keyboard with Numeric Keypad.
    2. Special Purpose Keys.
    3. Toggle And Combination Keys.





OPTICAL DEVICES

- Optical input devices that uses light as a source of input. They eliminate the need for manual entry of data, thus accuracy increases.
- Types of Optical Input Devices:
    1. Scanner
    2. Barcode Reader





AUDIO INPUT DEVICES

- Audio input devices records the analog sound and convert it into digital form for further processing.
- Types Of Audio Input Devices.
    1. Voice Recognition
    2. Microphone
    3. Music Instrument





VIDEO INPUT DEVICES

- Video Input Devices are used to entering full motion video recording into a computer.







OUTPUT DEVICES

Output Devices are used to receive information from the computer either in Softcopy or Hard Copy.





OUTPUT DEVICES



Output Device



Monitor



Printer



Audio



Projector



MONITOR

- Monitor was invented in 1897 By **Karl Ferdinand Braun.**
- A **computer monitor** or a **computer display** is an electronic visual display for computers.
- A **computer monitor** is an electronic device that shows pictures for computers. Monitors often look similar to televisions.
- There are three types of monitor:
  1. C.R.T Monitor
  2. L.C.D Monitor
  3. L.E.D Monitor





PRINTER

- Printer was invented by **Johannes Gutenberg**
- In computing, a **printer** is a peripheral which makes a persistent human-readable representation of graphics or text on paper or similar physical media
- Types Of Printer:-
    1. **Impact Printer** :- An impact printer makes contact with the paper. It usually forms the print image by pressing an inked ribbon against the paper using a hammer or pins. Eg. Dot-Matrix , Daisy Wheel, Etc.
    2. **Non-Impact Printer** :- Non-impact printers do not use a striking device to produce characters on the paper; and because these printers do not hammer against the paper they are much quieter. Ex. Inkjet , Laser, Etc.





AUDIO OUTPUT DEVICE

- The term “Audio Output Device" refers to any device that attaches to a computer for the purpose of playing sound, such as music or speech. The term can also refer to a computer sound card.
- Types Of Audio Output Device:-
  1. Speakers
  2. HeadPhones
  3. Sound Card





PROJECTOR

- Projector was invented by **Charles Francis Jenkins.**
- A **projector** or image **projector** is an optical device that projects an image (or moving images) onto a surface, commonly a **projection** screen.







THANK
YOU

INPUT & OUTPUT DEVICE