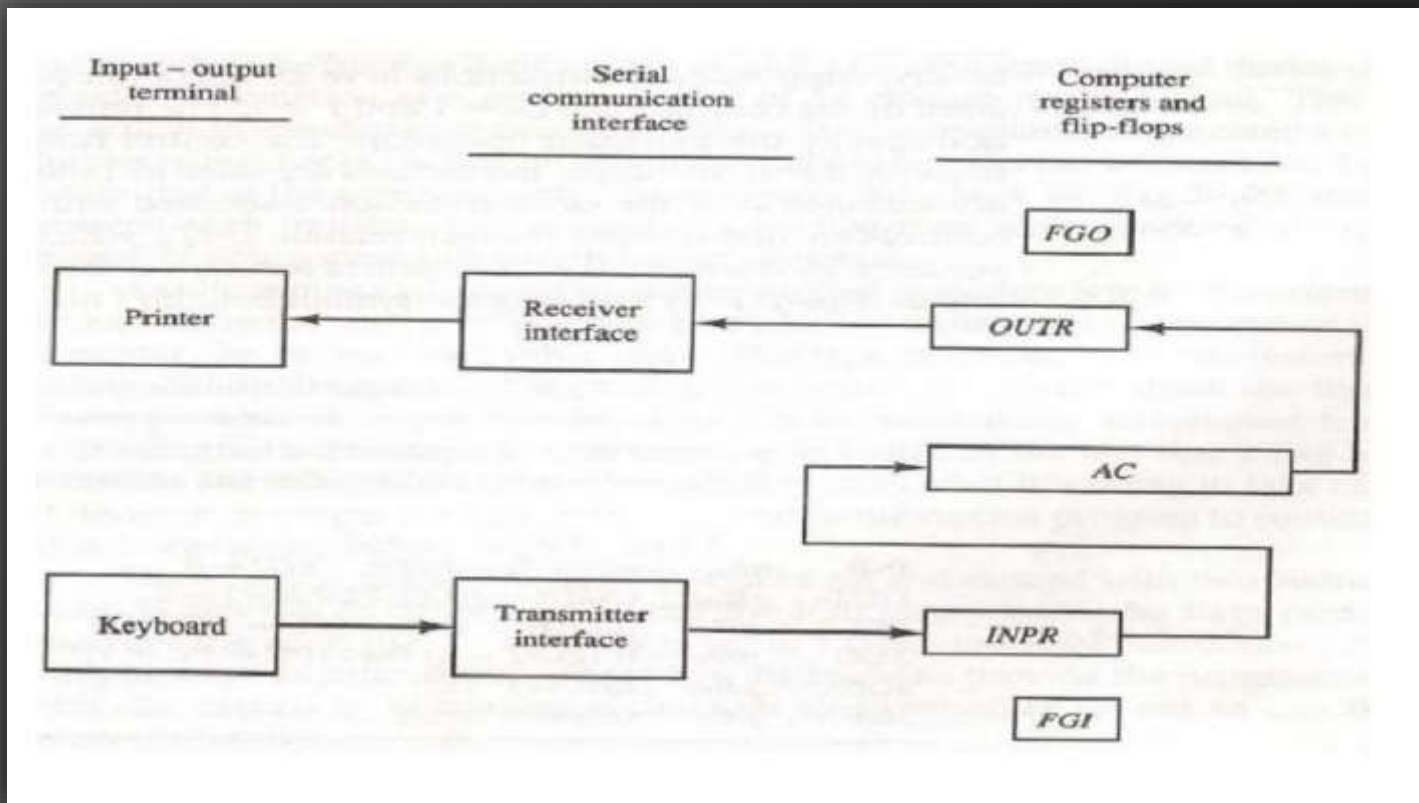


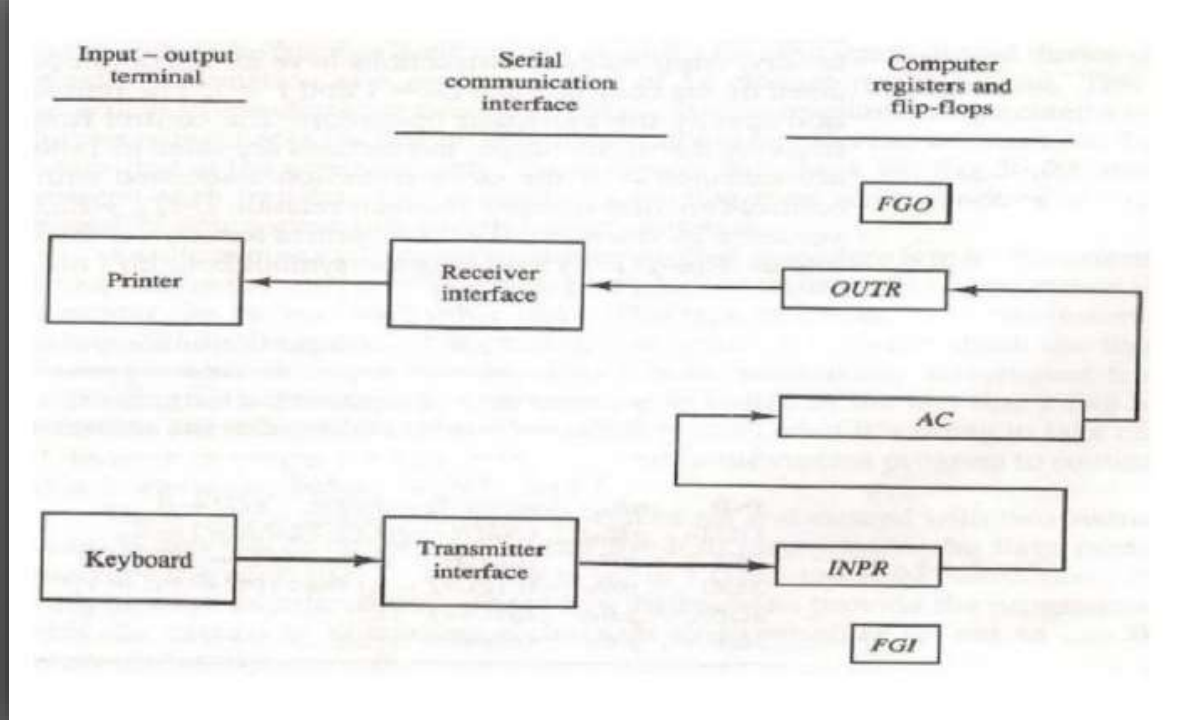
PERIPHERAL (INPUT & OUTPUT) DEVICES

Presented By:

Shubham Sharma
Mohd. Azharuddin

- Instructions and data stored in memory come from some input device.
- Computational results must be transmitted to the user through some output device.
- The terminal sends and receives serial information.
- Each quantity of information has eight bits of an alphanumeric code.

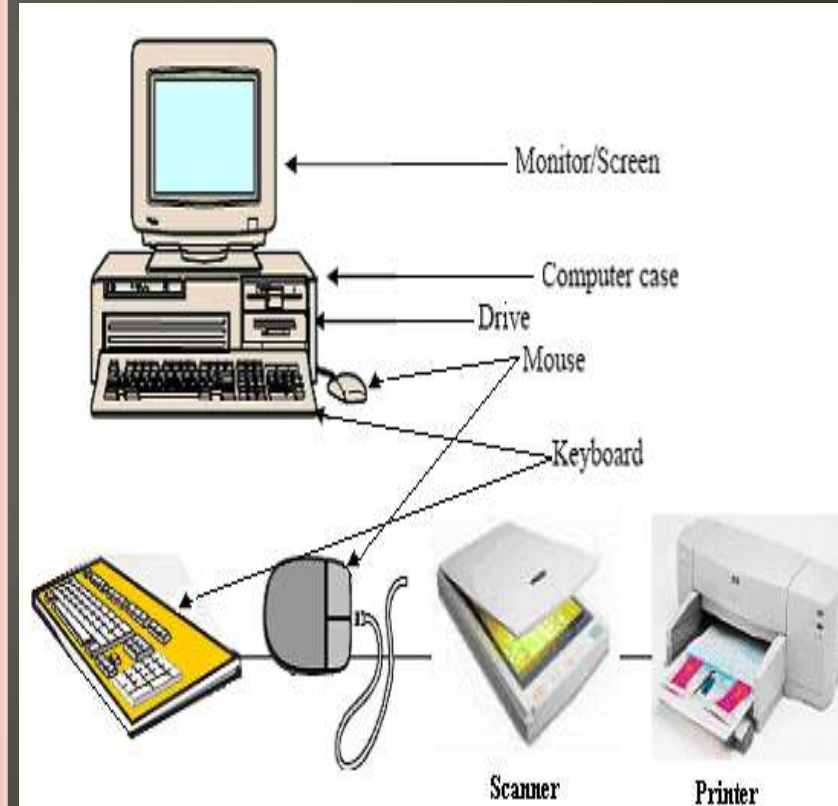




- The serial information from the keyboard is shifted into the input register INPR.
- The serial information for the printer is stored in the output register OUTR.
- These two registers communicate with a communication interface serially and with the AC in parallel.

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 Devices.



What is Device?

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





TYPES OF DEVICES



```
graph TD; A["TYPES OF  
DEVICES"] --- B["INPUT  
DEVICES"]; A --- C["OUTPUT  
DEVICES"]
```

INPUT
DEVICES

OUTPUT
DEVICES



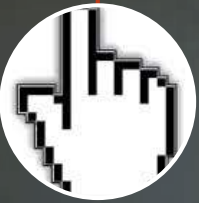
INPUT DEVICES

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

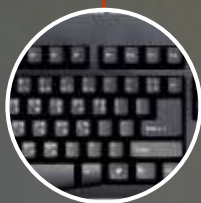




Input Devices



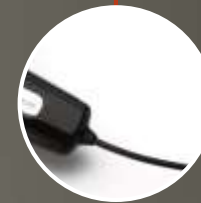
Pointing
Devices



Keyboard



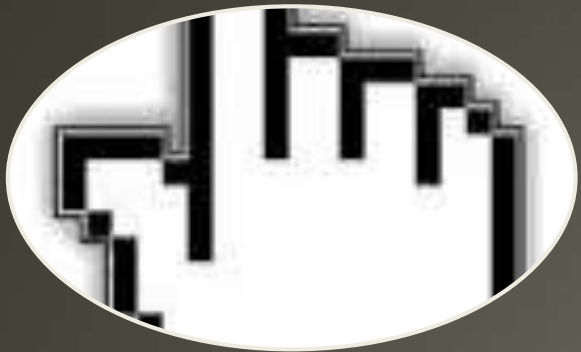
Optical Input
Devices



Audio Input
Device

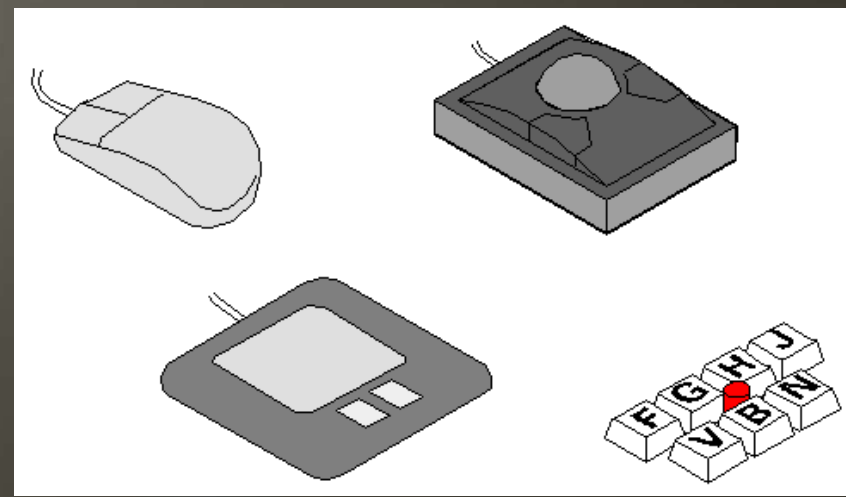


Video Input
Device



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.



Types of Pointing Devices



```
graph LR; A[Types of Pointing Devices] --- B[Mouse]; A --- C[Joystick]; A --- D[Touchpad.]; A --- E[Light Pen];
```

Mouse

Joystick

Touchpad.

Light Pen



MOUSE

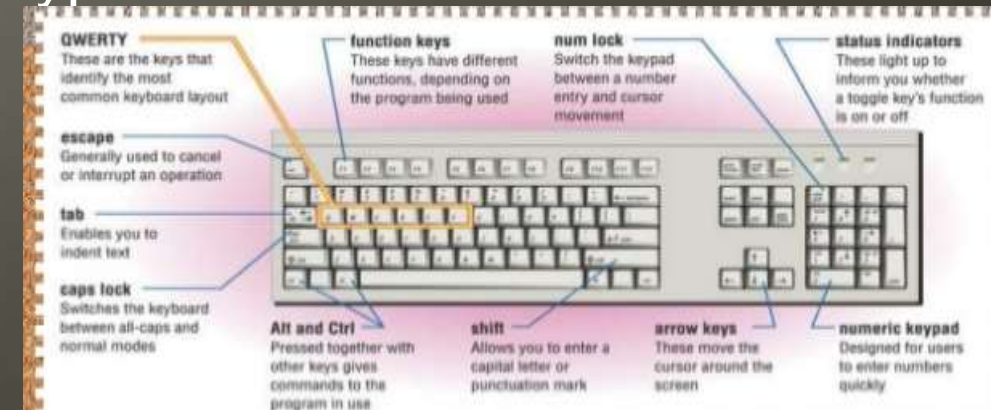
- ▶ Mouse Was Invented In during 1960's. By Douglas Englebart.
- ▶ Mouse can be used to control and manipulate cursor movement on monitor
- ▶ Types Of Mouse
 - ❑ Mechanical Mouse
 - ❑ Optical Mouse
 - ❑ Wireless Mouse





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 use 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.



Thank You!