

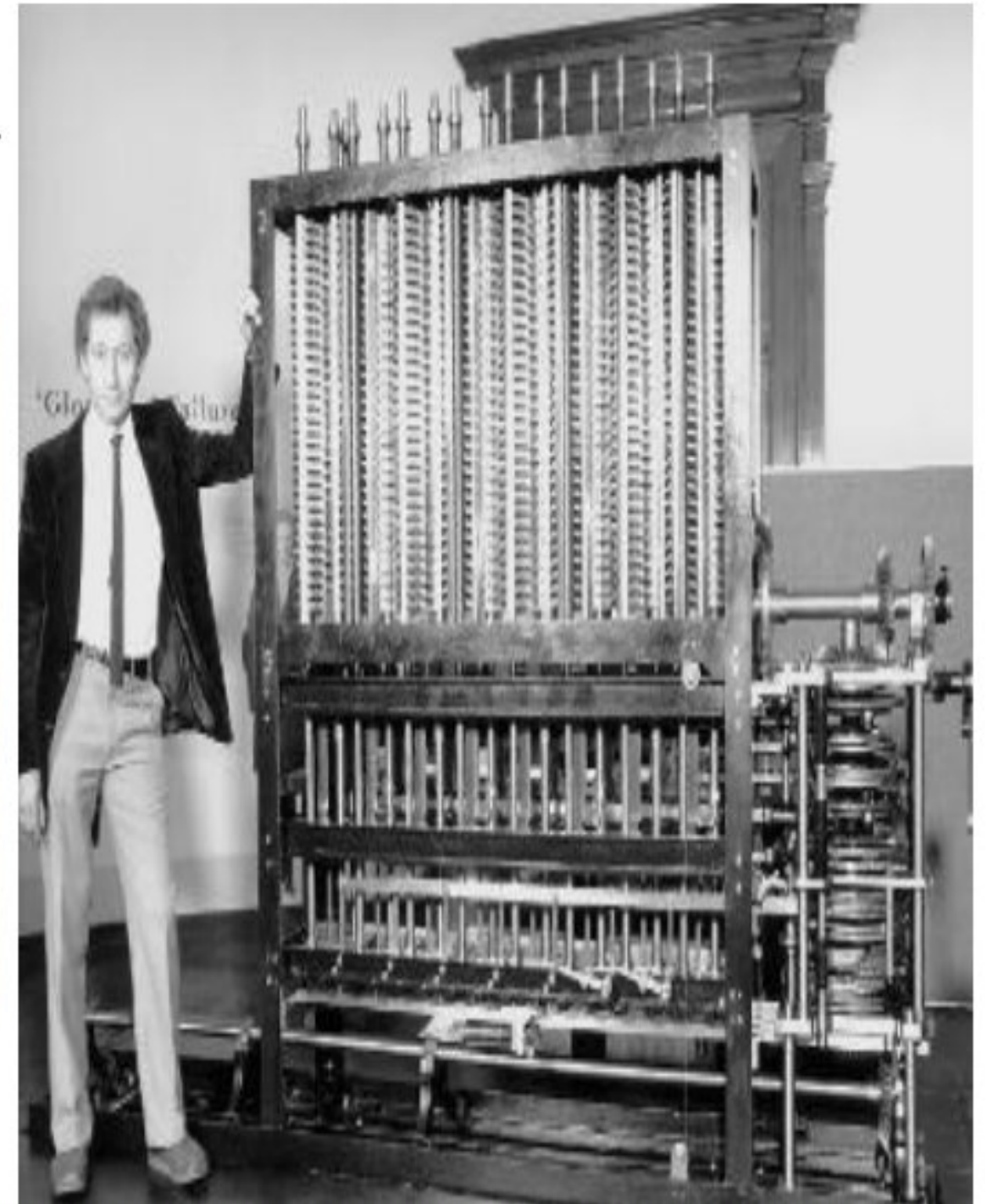
❖ What is computer?

- Computer is a programmable electronic device that accepts raw data as a input and process it with a set of instruction(program) to produce the result as output.
- Computer word is derived from the Latin language "**compute**". Which means calculate. in Hindi
- The father of computer is "**Charles Babbage**"
- 14 June 1822 he claimed to have made a computer which was able to calculate only numbers,

Charles Babbage / Nationality

British

Charles Babbage, (born December 26, 1791, London, England—died October 18, 1871, London), English mathematician and inventor who is credited with having conceived the first automatic digital computer.



❖ Computer full form

- **C - Common** - सामान्य
- **O - Operator** - चलाना
- **M - Machine** - यंत्र
- **P - Particular** - बबषेश रूप से
- **U - Use** - प्रयोग
- **T - Trade/Technical** - व्यावसाय/तकनीक
- **E - Education** - मशक्षा
- **R - Research** - खोज



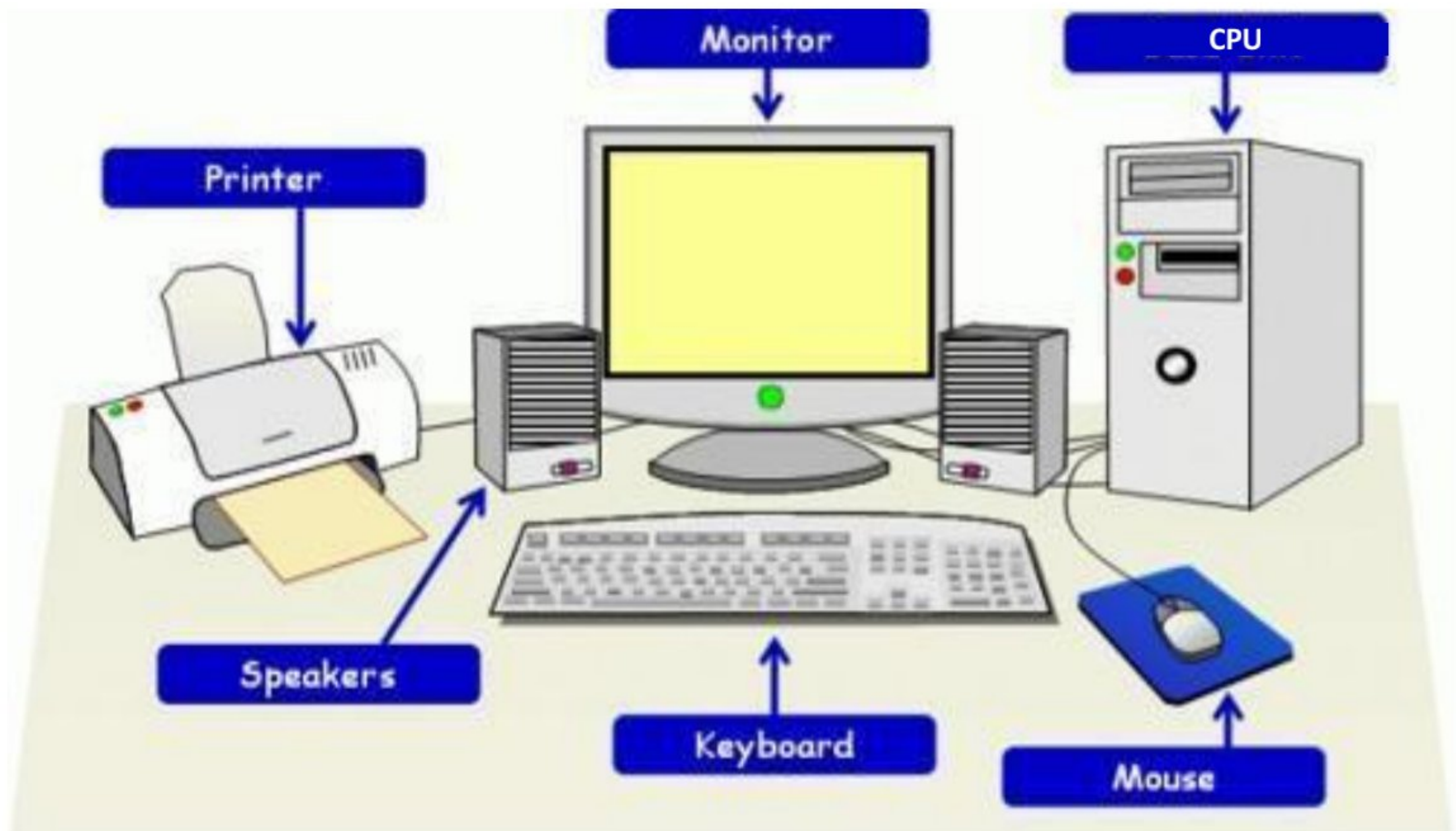
**Commonly Operated Machine Particularly
Used for Technical and Educational Research**



अपने ग्राहक को जानोआमतौर पर तकनीकी और शैक्षिक
अनुसंधान के लिए विशेष रूप से संचालित मशीन

❖ What is Computer system?

- The Hardware and software of the computer are joined together to make a computer system.



Types of Computer System



Laptop



Desktop



Tablet PC



Smartphone



Smartwatch



Calculator

❖ Input device:

❖ Input device is that part of the computer through which we enter data, instructions and some special information into the computer.

❖ Input device name: -

- Keyboard
- Mouse
- Joy Stick
- Light pen
- Track Ball
- Scanner
- Graphic Tablet
- Microphone
- Magnetic Ink Card Reader
- Optical Character Reader
- Bar Code Reader
- Optical Mark Reader (OMR)



❖ Output device Name:

-Output device is the device through which we can see and understand the process data.

❖ Output Device Name: -

- Monitor
- Printer
- Headphones
- Computer Speaker
- Projector
- GPS
- Sound card
- Video card
- Braille reader
- Plotter
- Touchscreen



❖ Common input and output device Name



2. Monitor

-Monitor is the display unit of a computer. The monitor is also known as a visual display unit (VDU).

Types of Monitors:

1. CRT Monitor: It has "cathode ray tubes" which produce images in form of video signals. Its main components are electron gun assembly, deflection plate assembly, glass envelope, fluorescent screen, and base.

2. LCD Monitor: It is a flat panel screen. It uses liquid crystal display technology to produce images on the screen.

3. LED Monitor: It is an advanced version of an LCD monitor.

4. Plasma Monitor: It uses plasma display technology that allows it to produce high resolutions of up to 1920 X 1080, wide viewing angle, a high refresh rate, outstanding contrast ration, and more.



3. Keyboard

- It is the most important input device of a computer. It is designed to allow you input text, characters, and other commands into a computer, desktop, tablet, etc.
- It comes with different sets of keys to enter numbers, characters, and perform various other functions like copy, paste, delete, enter, etc.

- **Types of Keyboards:**

1. QWERTY Keyboards
2. AZERTY Keyboards
3. DVORAK Keyboards



Wireless keyboard

4. Mouse

- It is designed to control or move pointer (cursor) in a GUI (graphical user interface). It allows to point or select objects on computer's display screen.
- **Types of Mouse:** - Trackball, Mechanical, Optical, Wireless Mouse, etc.
- **Functions of mouse:-**

1. Move the cursor: - to move the cursor on the screen.

2. Open or execute a program: It allows to open a folder or document and execute a program.

3. Select: It allows to select text, file, or any other object.

4. Hovering: Hovering is an act of moving the mouse cursor over a clickable object. During hovering over an object, it displays information about the object without pressing any button of the mouse.

5. Scroll: It allows to scroll up or down while viewing a long webpage or document.

Parts of a mouse:

1. Two buttons:
2. Scroll Wheel:
3. Motion Detection Assembly:
4. Battery:



Wireless Mouse