

HARDWARE DEVICES



What is hardware?



- Hardware or HOW can be defined as all the physical components that are a part of a computer system. This means that all the devices that you can see on your computer can be characterized as computer hardware. For example, the screen of a computer that you see the second you turn on the device is hardware.
- In other words, it can also be said that hardware simply refers to all the tangible and physical components of a computer. This includes all the components that can be seen or touched. There are also different types of hardware. Some types of hardware, along with their examples, are given in the table below.

TYPES OF HARDWARE

INTERNAL HARDWARE

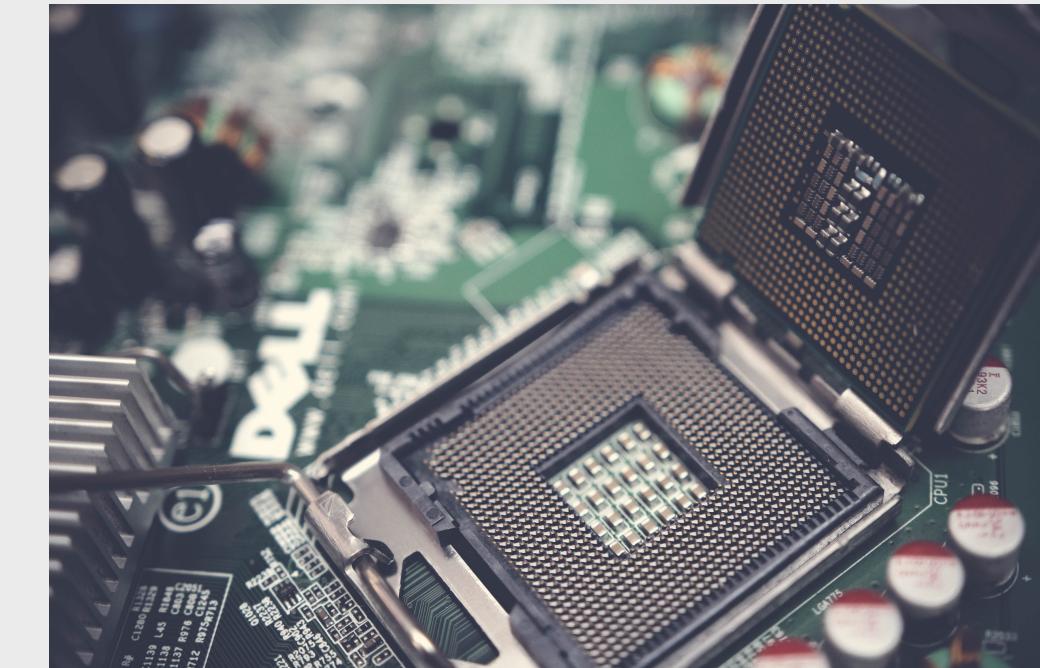
Internal hardware is also called components. It includes:

- CPU
- Motherboard
- RAM
- ROM



CENTRAL PROCESSING UNIT

- It is the brains of the computer.
- Most of the calculations take place here.
- Two typicals components of a CPU are
 - Arithmetic Logic Unit(ALU)
 - Control Unit(CU)



MOTHERBOARD

- Is the main circuit board of a microcomputer.
- It contains the CPU, memory, expansion slots, and all the controllers required to control standard hardware devices.



RAM (random access memory)

- RAM is volatile.
- Your program and data are stored in RAM when you are using the computer.



ROM (read only memory)

- ROM contains fundamental instructions that cannot be lost or changed by the user.
- ROM is non-volatile.



INPUT HARDWARE

An input device is a piece of equipment used to provide data and control signals to an information processing system.

- Keyboard
- Mouse
- Scanner



KEYBOARD

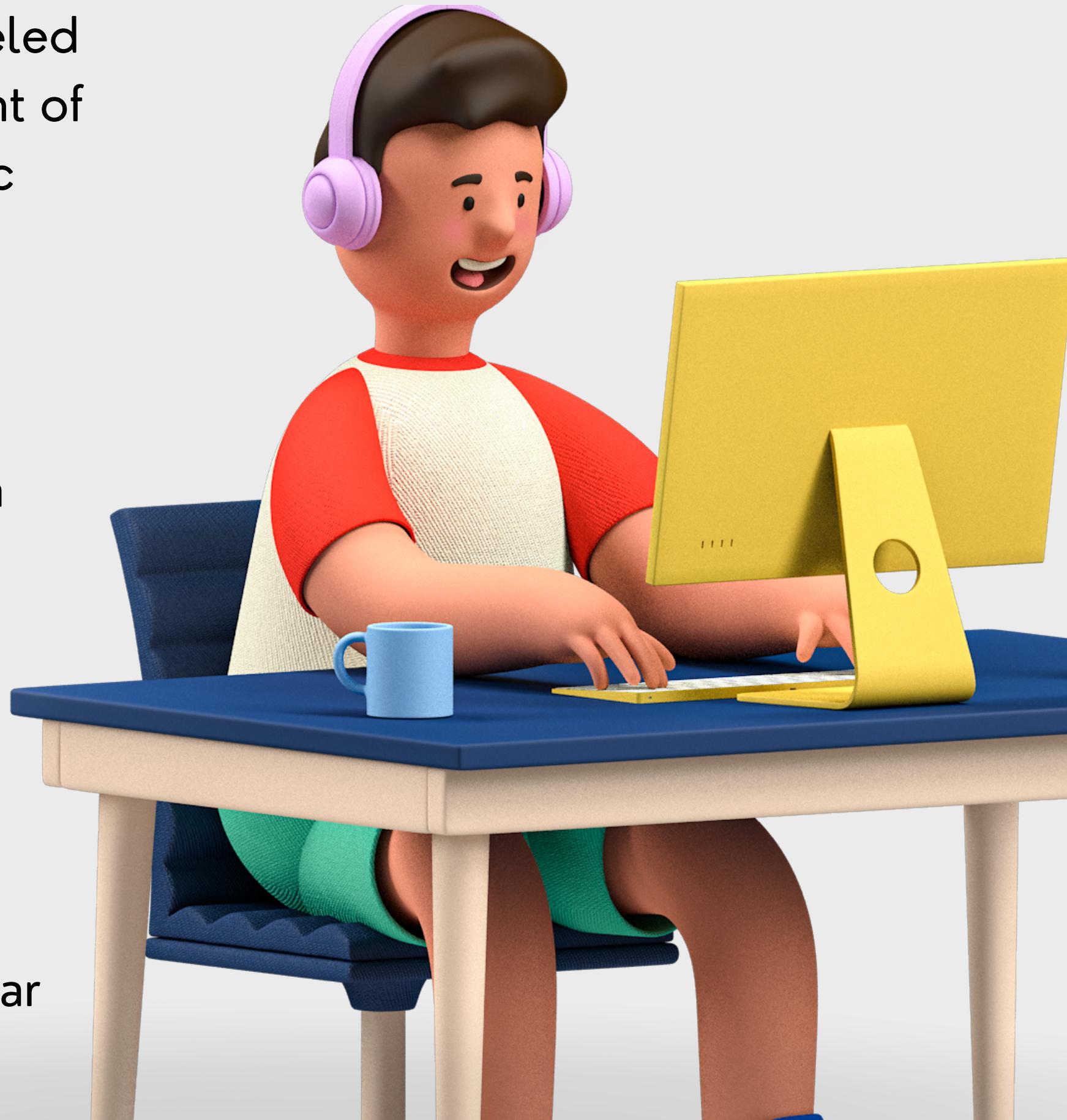
A computer keyboard is a peripheral input device modeled after the typewriter keyboard which uses an arrangement of buttons or keys to act as mechanical levers or electronic switches.

MOUSE

A computer mouse (plural mice, sometimes mouses) is a hand-held pointing device that detects two-dimensional motion relative to a surface.

SCANNER

The scanner is a device that captures images from photographic prints, posters, magazine pages, and similar sources for computer editing and display.





THANK YOU