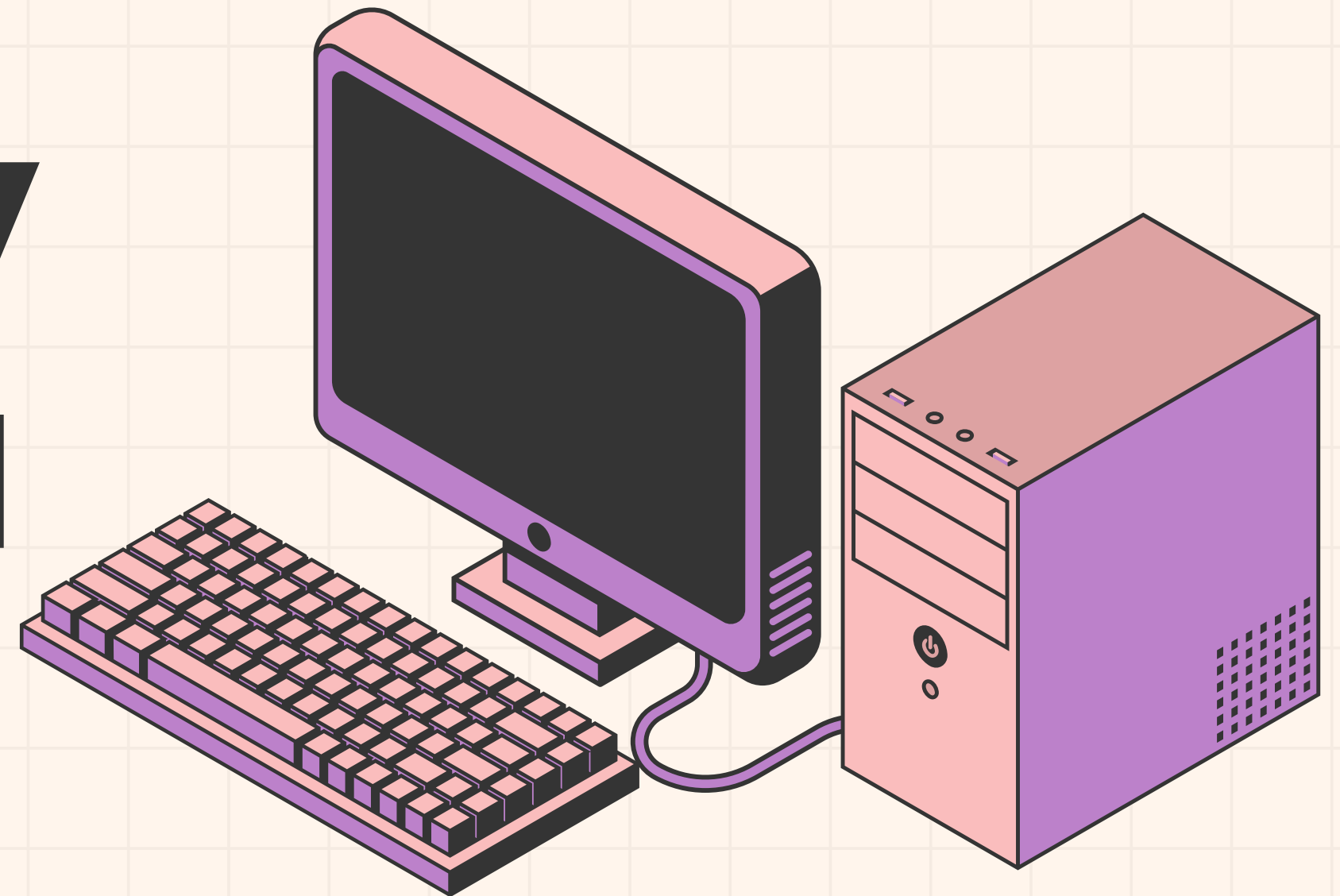


TECHNOLOGY AND INFORMATION SYSTEM

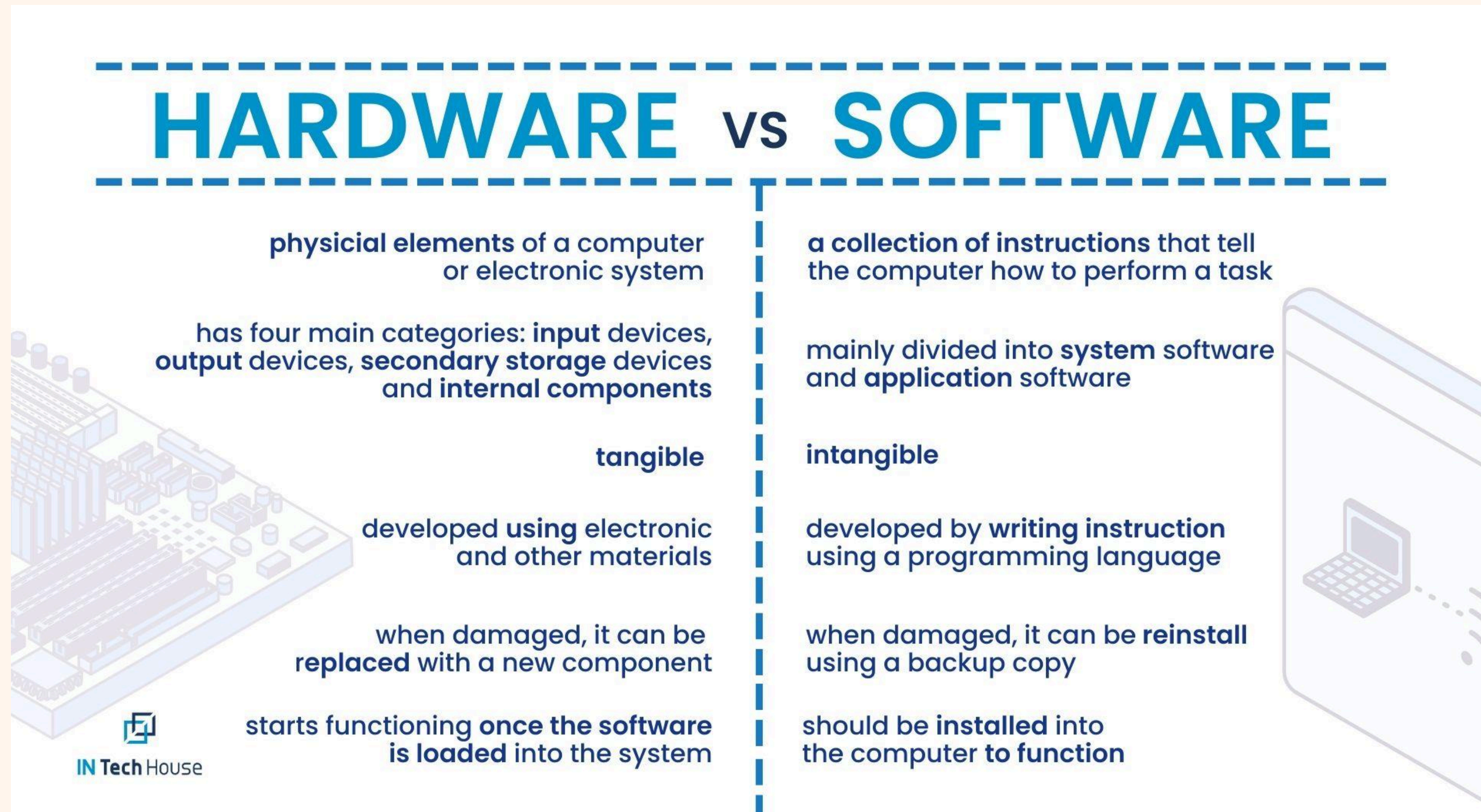


Group 1 : Introduction to Cmputer System and Hardware

what is a computer system ?

A combination of hardware and software components working together to perform specific tasks, encompassing devices like the CPU, Memory, Input/Output, devices and operating system.

Difference between hardware and software



EXECUTION OF
SOFTWARE

DATA STORAGE

INPUT AND
OUTPUT
OPERATIONS:

Importance of hardware in computer functionality

PERFORMANCE

CONNECTIVITY

Types of computer hardware

keyboard



scanner



microphone



mouse



Input Devices

webcam



monitor



printer



speaker



projector



Output Devices

hard disk drive



solid state drive



USB Flash drive



Storage Devices



external hard drive

central processing unit (CPU)



Graphic processing unit (GPU)



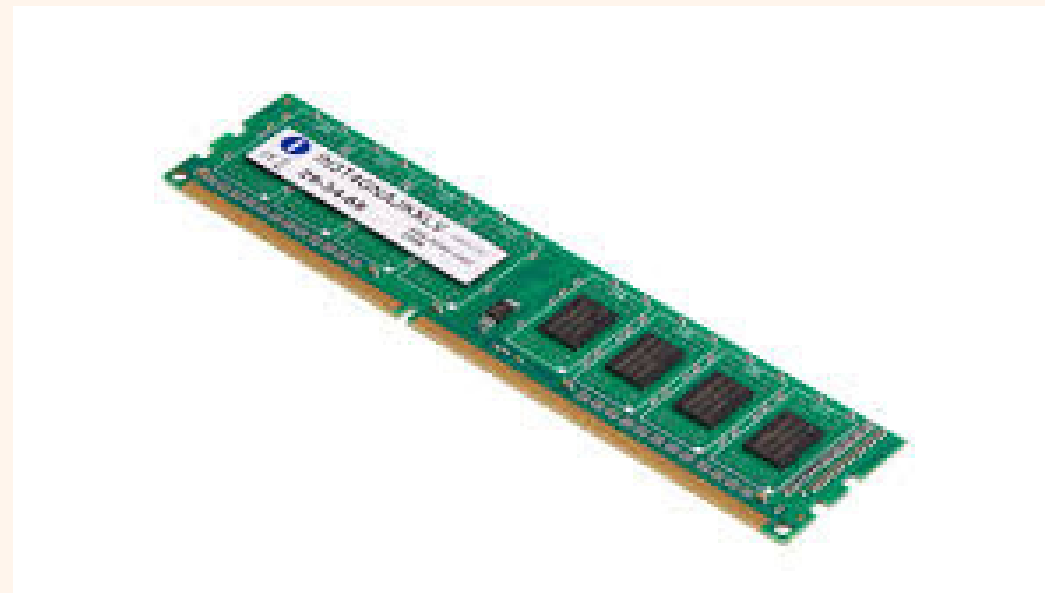
Motherboard



Processing Devices

Memory RAM

Random Access memory RAM



Real life examples and function of computer system and hardware

Personal Computer

The CPU processes commands from software applications. RAM temporarily stores data for quick access, while the hard drive/SSD holds long-term data like documents, photos, and videos. Graphics Card (GPU) renders visuals for the monitor. The keyboard and mouse act as input devices to control the system.

Smartphone

The mobile processor (CPU) runs apps and manages device functions. The RAM enables fast switching between apps, and the storage (usually an SSD) holds apps, photos, and other data. The touchscreen is the primary input method, while the camera and GPU help with image capture and rendering.

Medical Equipment (MRI, X-Ray Machines)

The central processing unit (CPU) controls the data flow and processing of images. Sensors collect data from the body, and displays show the results. The storage holds patient data and scanned images.

Quiz timeeee

- 1.What are the main components of a computer system**
- 2. Give an example of output device**