INTRODUCTION TO COMPUTERS

What Is A Computer?? 💻

➢ A computer is a programmable electronic device that accepts raw data as input and processes it with a set of instructions (a program) to produce the result as output. It renders output just after performing mathematical and logical operations and can save the output for future use.

➢ It works with the help of programs and represents the decimal numbers through a string of binary digits. It also has a memory that stores the data, programs, and result of processing.

➢ It works on zero(0) and one(1) i.e, binary form.

Types of Computer

Microcomputer

Minicomputer
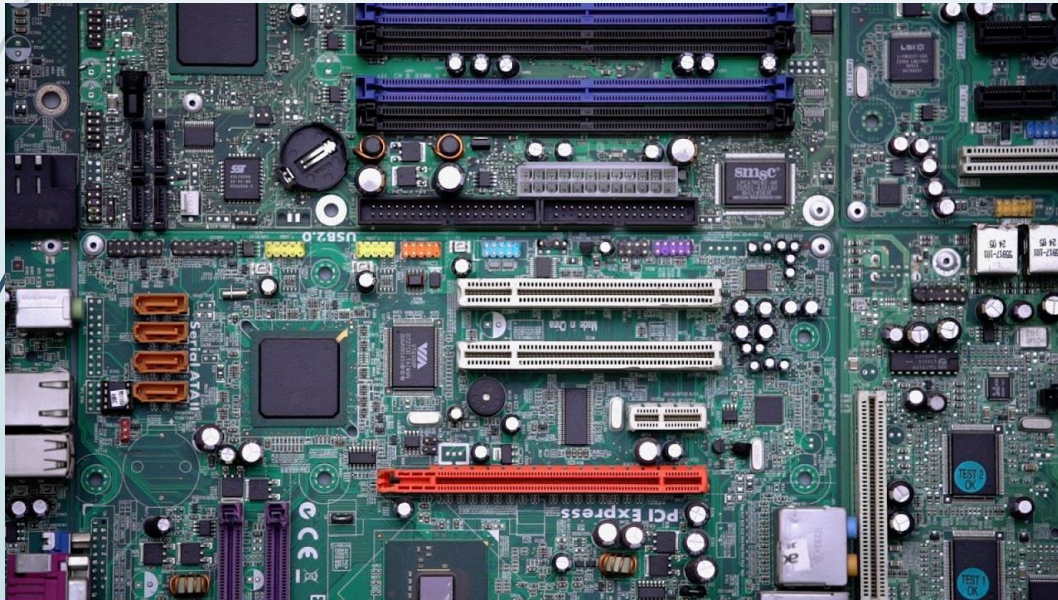

Personal computer

Supercomputer

Laptop

Tablet

A computer is mainly a combination of Hardware and Software.

or

A computer is designed to execute applications and provides a variety of solutions through integrated hardware and software components.
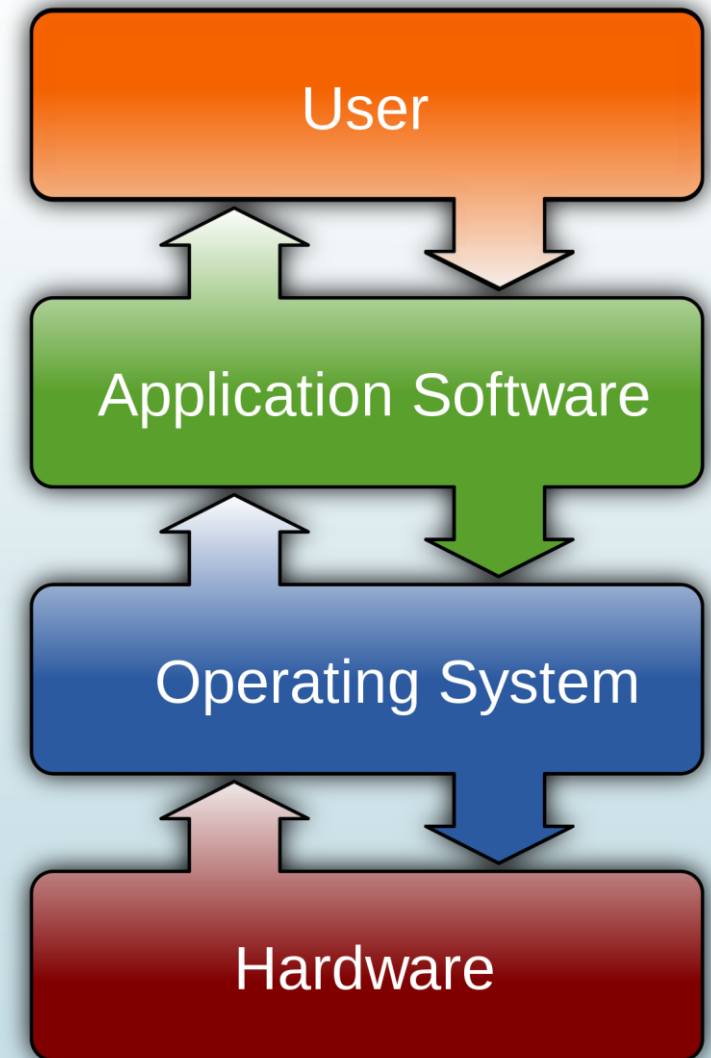

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Hardware

➢ The components of a computer such as machinery that includes wires, transistors, circuits, hard disk are called hardware.

➢ Hardware refers to all physical components of a computer system, including the devices connected to it.

➢ We cannot create a computer or use software without using hardware.

➢ The screen on which you are reading this information is also a hardware.

➢ Example: Keyboard, Motherboard, Monitor, Mouse, etc.

Software

➢ Software, which is abbreviated as SW or S/W, is a set of programs that enables the hardware to perform a specific task.

➢ All the programs that run the computer are software.

➢ The software can be of three types: system software, application software, and programming software.

➢ Some Examples:

❑ System Software: Operating System, BIOS.

❑ Application Software: Word Processing Software, Spreadsheet Software.

❑ Programming Software: Eclipse, Coda, Notepad++.

User

Application Software

Operating System

Hardware

Up Next

- ➢ **Types of Languages**
- ➢ **Compiler and Interpreter**
- ➢ **POP and OOP's**
- ➢ **Compilation of Java Program**
- ➢ **Many more……**

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