Computer Software -
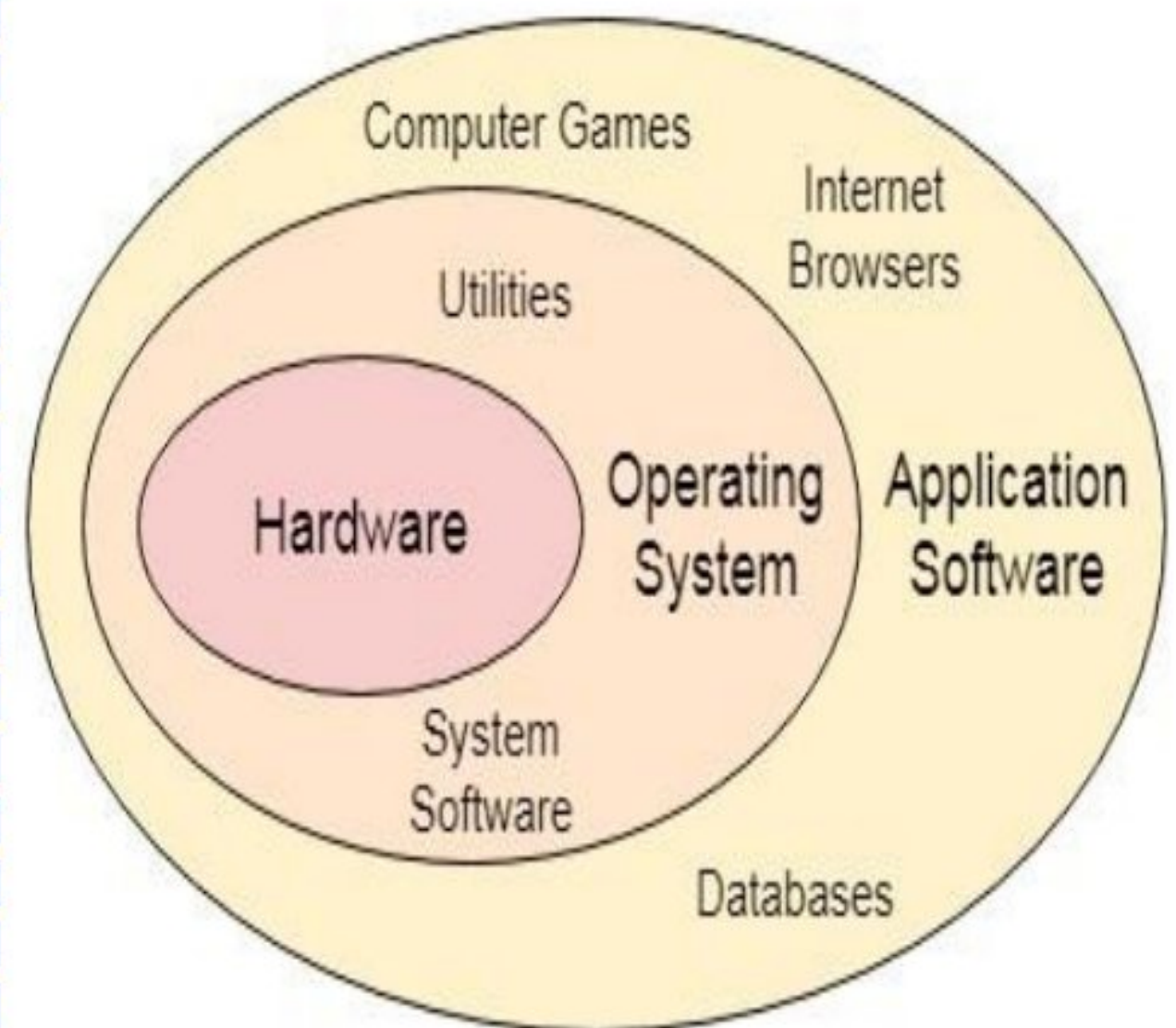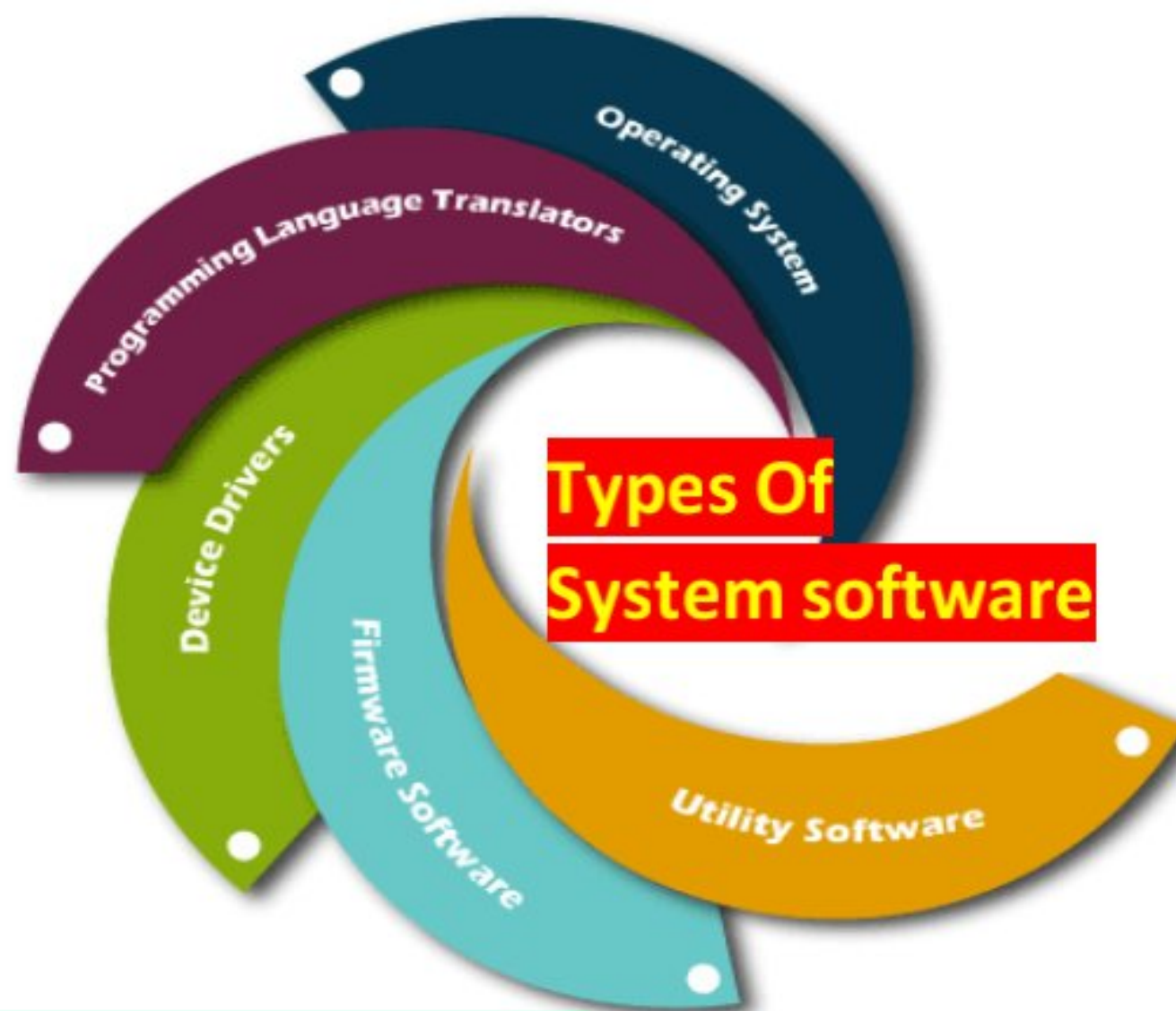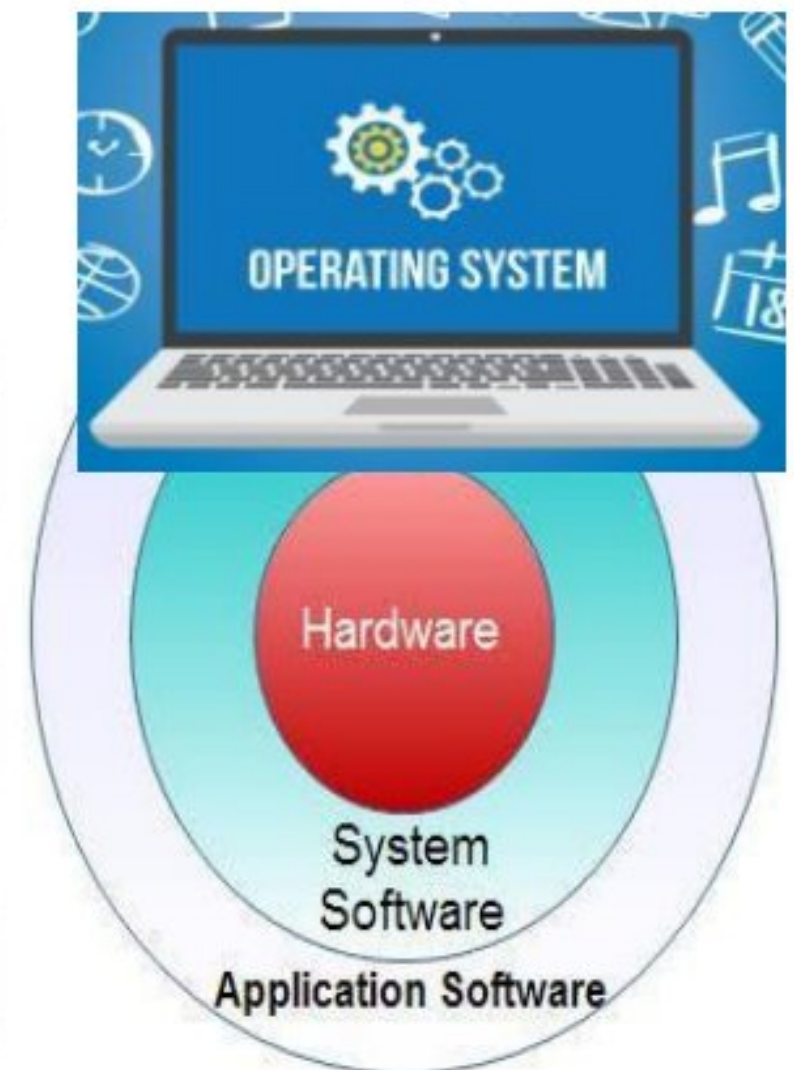
-It is a set of programs or instructions that enables or instructs hardware to perform a specific task.

Types of Software -

1. system software
2. application software
3. programming software

1.System Software

- System software is main software in the computer. When turn on computer, it activates hardware, controls and coordinates their functioning. application Software are also controlled by system software.

Types Of System software

Operating System: -

- it is defined as an interface between user and hardware It is a set of Program. It is responsible for the execution o all the processes, Resource Allocation, CPU management File Management and many other tasks.
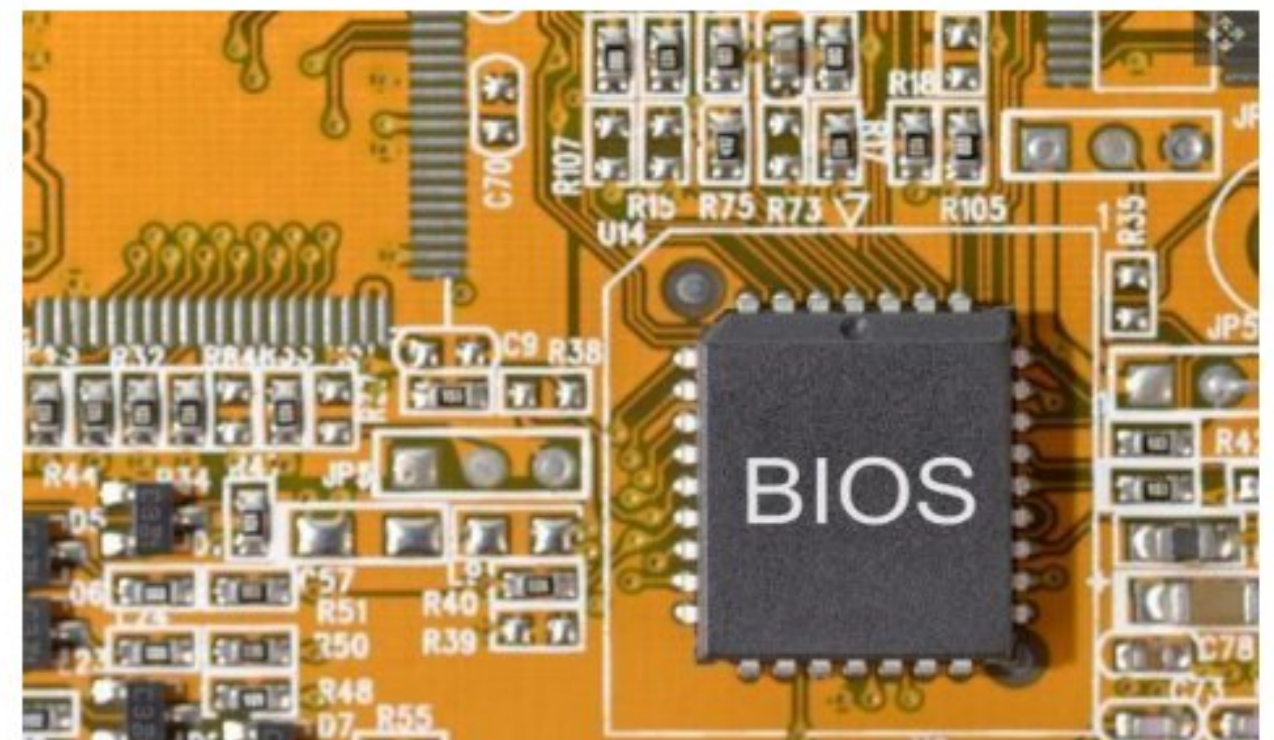
Example: -

BIOS: -

- It stands for basic input output system. It is a type of system software, which is stored in Read Only Memory (ROM) located on the motherboard. However, in advanced computer systems, it is stored in flash memory. BIOS is the first software that gets activated when you turn on your computer system.
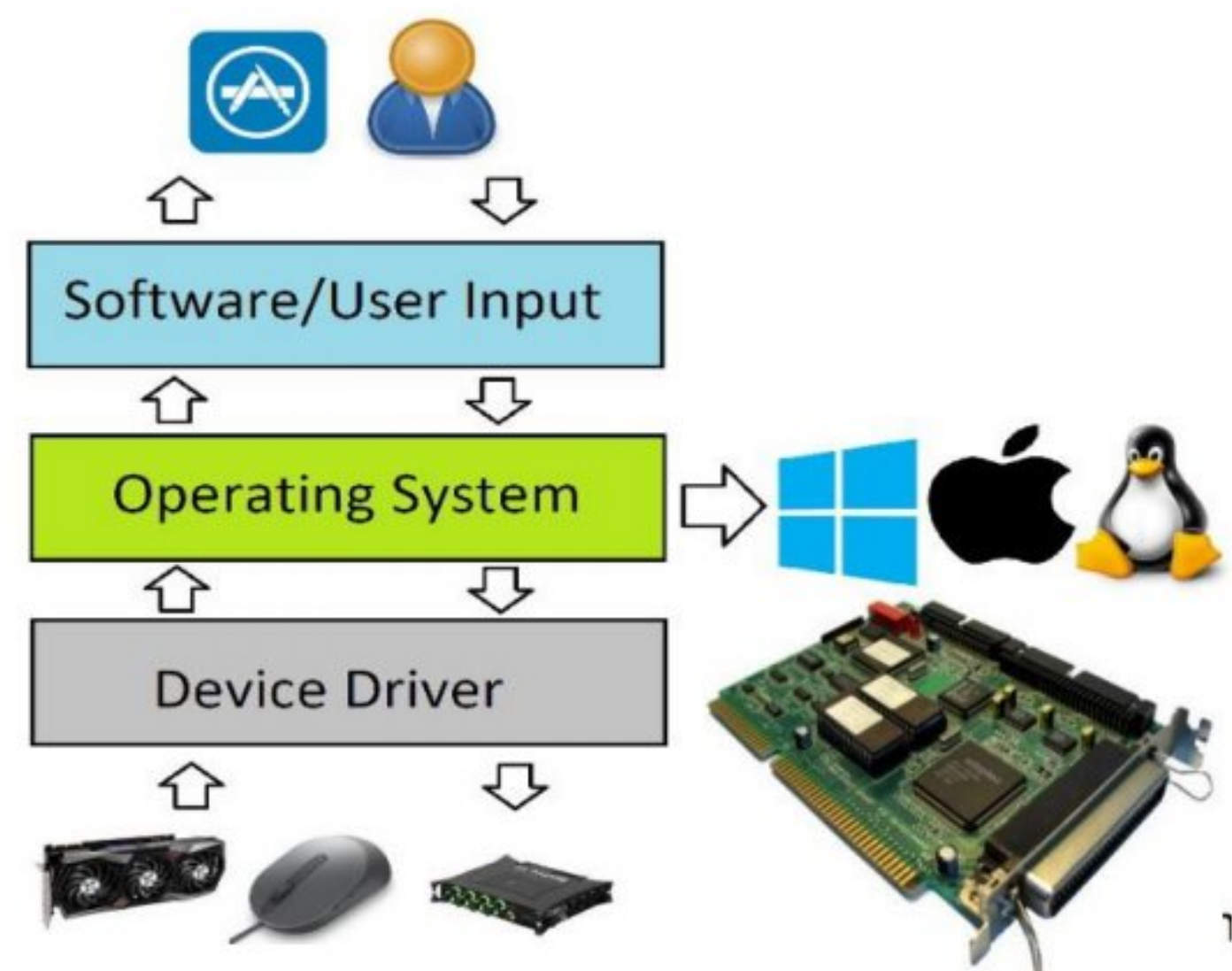
Boot Program: -

- Boot refers to starting up a computer. When we switch on computer, the commands in the ROM are executed automatically to load the boot program into memory and execute its

Assembler: -

- It plays the role of a converter as it receives basic computer instructions and converts them into a pattern of bits. The processor uses these bits to perform basic operations.

Device Driver: -

- A device driver: This system software controls hardware devices connected to a computer.

2.Application Software

- Application software is a set of programs designed to perform a specific task. It does not control the working of a computer as it is designed for end-users.

Example of Application Software

3.Programing Software

- It is a set or collection of tools that help developers in writing other software or programs. It assists them in creating, debugging, and maintaining software or programs or applications.
- It's to helps translate programming language such as Java, C++, Python, etc., into machine language code.
- it is not used by end-users.

➤ **Eclipse:** java language editor. **Coda:** programming language editor for Mac. **Notepad++:** open-source editor for windows. **Sublime text:** It is a cross-platform code editor for Linux, Mac, and Windows.

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