

1. Define the terms:

a. **System software** – System software is a type of computer program designed to run the computer's hardware and application programs. It acts as an interface between the hardware and user applications (e.g., operating systems, device drivers).

b. **Application software** – Application software is a type of program designed to perform specific tasks for the user, such as word processing, web browsing, or gaming (e.g., MS Word, Google Chrome).

2. **Define operating system** – An operating system (OS) is system software that manages computer hardware, software resources, and provides common services for computer programs.

3. Give two examples of operating system –

Ans - Windows 10 , Linux

4. Every computer must have an operating system to run the other programs. Without an operating system, a computer is of no use. Why?

Ans - Because the operating system acts as a bridge between the hardware and software. It controls and coordinates the use of hardware among various application programs and users. Without it, the computer cannot start, load programs, or communicate with hardware devices.