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1. Describe system software. Discuss each of the four types of system programs.

System software is the program designed to run a computer's hardware and applications and manage its resources such as memory, processors and devices. It also provides a platform for running application software, and also typically bundled with a computer's operating system.

There have four types of system programs such as High speed is an essential feature of system software, next is versatile is determined by how many different programs it can run simultaneously. Other than that, its hard to manipulate is determined by how difficult it is to change settings and configurations and lastly is the close to the system. The closeness of system software to the system determines its accessibility.

2. Define operating systems. Describe the basic features and the three categories of operating systems.

Operating systems is a collection of programs that handle technical tasks like functions, provide user interface and runs applications. The basic features of an operating system is booting for starting or restarting the computer. Features in common with application software such as icons, pointer, windows, menus, tabs, dialog boxes, help and gesture control. Next is files and folders which is it have files share data and programs and also folders store related files.

Three basic categories is Embedded operating systems - RTOS (real-time operating systems) for example smartphones, smartwatches and video game systems. Second is stand-alone operating systems also called desktop operating system and lastly is Network

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operating systems (linked computers) for example windows server, Linux, unix and OS stored on network server which coordinates all communication between the other computers.

7. What are mobile operating systems? Describe leading mobile operating systems.

The software that controls a mobile device's hardware and software, enabling it to run applications and manage its resources. Mobile operating system is less complicated and more specialized for wireless. There also have some of the best known like android, ios and windows phone.