

ACTIVITY #3 – SOFTWARE – SYSTEMS AND APPLICATIONS

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1. Understand the difference between system software and application software.

For me the use of system software is to control the computer's hardware so that it can enable the use of its applications, and for the application software it's use is for specific task for the users such as Microsoft word and Google Chrome for web browsing.

2. Explain the different functions of an operating system and discuss some ways that operating systems enhance processing efficiency.

1. User Interface: It serves as the graphics of the computer and without it users cannot do tasks such as launching an application.
2. Process Management: This part of the computer does the multitasking, and it enhances the CPU.

And here are some ways that operating systems enhance processing efficiency.

1. Multitasking: With this you can open multiple applications at once.
2. Extra memory: This is the one that processes and handles the usage of the CPU.

3. List Several ways in which operating systems enhance processing efficiency.

1. Multitasking: Allowing multiple programs to run simultaneously.
2. Memory Management: It allocates memory and maximizes its use, extending RAM when needed.

4. Name today's most widely used operating system for personal computers and servers.

Today's most widely used operating system for personal computers is Microsoft Windows, and for servers is Linux.

5. Name today's most widely used operating system for smartphones and other mobile devices.

The most widely used operating system for smartphones are Android and iOS.

6. Discuss the operating systems used with mainframes and supercomputers.

For mainframes is z/OS Because it is a highly reliable operating system developed by IBM, widely used for mainframes, while for supercomputers is Linux due to its flexibility, scalability, and open-source nature.

7. Discuss the role of utility programs and outline several tasks that these programs perform.

File management: It helps with organizing, moving, deleting and renaming files and folders.

Disk cleanup removes and identifies unnecessary files to free up space and improve performance.

Antivirus and Malware Protection: Scans, and detects viruses and automatically removes them.