**Unit 1 Seminar**

Your Name

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The operating system is the brain of the computer. It controls all the operations of the computer along with its hardware and software. Every function that computer performs by itself or on the command of the user is due to the operating system.

All the computerized devices have some sort of an OS installed in them, from laptop, computers to the smart phones and smart watches, they all function through their operating systems. Windows XP, Windows 7, Windows 8, MAC and Linux all are the examples of the computer operating systems. Whereas Apple, android and windows are the OS for smart phones.

At basic architectural level, operating systems are 32- bit and 64-bit. Before buying a new system or upgrading already existing system, it is essential to know the operating system requirements. Laptops usually run on 64-bit OS. All the OS, from Microsoft to Mac are available in 32- bit and 64-bit versions. If you are considering installing new windows you need to know what kind of OS architecture you have on your PC. For finding the information about the OS, go to “control panel” and then “system and security” and then select “security” option. A page will open that will provide all the information regarding system operation and installed RAM in the computer. After checking the bit requirement of the system, you can download new windows or any other software that is compatible to your system. For example, 64-bit programs require 64-bit OS in the computer. Similarly, you can’t install the 32-bit version of any software on a 64-bit computer or laptop(content & Lifewire, n.d.).

Similarly, for installing the drivers of the peripheral devices, you need to know if your system is 64-bit or 32-bit. For example, for a 64-bit computer you will need 64-bit driver otherwise the peripheral device won’t work. This information is also necessary if you are considering buying new computer that has more RAM. It is important to know that 32-bit OS don’t have RAM more than 4 GB while 64-bit systems can have RAM more than 4 GB. Also, 64-bit systems are faster and better in performance.

**References**

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