Operating Systems Lab Sheet 1

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* What is the BIOS used for? Changing hardware configuring options which alters the method that BIOS instructs the hardware to function.
* What is the key or combination of keys used to enter the BIOS setup program? F2
* Who manufactures the BIOS for your computer? Dell
* What is the BIOS version? A07
* List the main menu options and describe what is monitored in each menu?

Security, Performance, Storage, Peripheral devices, General, System Configuration, Video, Secure Boot, Power Management, Cloud Desktop, Maintenance

* Navigate through each screen to find the security settings.

What security settings and feature are available? Password Setup

* What is the CPU speed? 3.4Ghz
* What other information is listed for the CPU? Processor type, Core count, Current clock speed, Maximum/Minimum Clock speed, Processor ID
* What is the RAM speed? 8.00GB
* What other information is listed for the RAM? Memory installed, memory available, Memory speed, Memory technology, Memory channel mode
* What information is listed for the hard drive? SATA Ports, e.g, ST1000DM003-1CH162. Enabling or disabling numerous drives
* What is the first boot device in the boot order sequence? Diskette Drive
* How many additional devices can be assigned in the boot order sequence? 5
* Ensure that the first boot order device is the optical drive.

Ensure that the second boot order device is the hard disk drive.

Why would you change the first boot device to the optical drive?

Because if the optical drive has no media which is bootable before moving on to the internal drive, the optical drive will skip straight to the internal. The position of the optical drive as the first boot order device is important to boost the computer’s performance. The CD or DVD (Optical Drive) must be checked by the BIOS before loading the contents on the hard disk.

* What happens when the computer boots and the optical drive does not contain bootable media? The optical drive will skip directly to the internal drive which results in the continuation of the boot-up sequence until it reaches the desktop.
* Navigate through each screen to find the power management setup screen, or ACPI screen.

What power management settings are available? AC Recovery, Auto on Time, Fan Control Override, Wake on LAN, Block Sleep

* Name any item that appears in the notification area: Speaker Volume
* Name any item that appears on the Quick Launch toolbar: Google Chrome
* What are the paths to Xythos and the K: drive (labshare)? X: Drive to K: Drive
* Name any item that appears in the Desktop folder. Check that this is on your desktop. Libraries