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Section: 00001 License: CC by 4.0

Part 1 – Sysadmin:

**Question 1)**

**Graphical user interface, text, application

Description automatically generated**

**Question 2)**

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**Text

Description automatically generated**

**Question 3)**



**Question 4)**

**Text

Description automatically generated**

**Question 5)**

Sudo passwd root

**Question 6)**

To begin, we need to boot in recovery mode. To do so, we should use the GRUB menu when the machine is booting. Once that is done, in the menu presented to us, we should select root and remount the system with write permissions. Once that is done, it will prompt us for a new password and we can reset it that way.

Part 2 – Upgrade your system:

**Question 1)**

The information about the distro that I am using goes as follows:

Text

Description automatically generated

According to the Debian FAQ, bullseye is the “testing” distribution, meaning that this distro is updated more often than the stable distribution as the packages that might be released into the stable version are tested in this release first. The stable distros in Debian is the release 10 and another distros of Debian that is available is the unstable version which is currently under development. This version is the most up to date than the stable version and breaks less often than the unstable version, but when it breaks it might take time to repair.

**Question 2)**

Text

Description automatically generated

**Question 3)**

The difference between the two:

The upgrade will download and apply any available updates, the full upgrade will uninstall previously installed packages to make the upgrade happen if needed.

The upgrade is the safer option and is usually done during the life-cycle of a distro release. The full-upgrade needs caution as it will delete packages and is usually done at the end of the distros life-cycle.

Part 3 – Basic security:

**Question 1)**

**Text, letter

Description automatically generated**

**Question 2)**

**Text

Description automatically generated with low confidence**

**Question 3)**

Text

Description automatically generated with medium confidence

**Question 4)**

**Graphical user interface, application, Teams

Description automatically generated**

**Question 5)**

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**Question 6) Text

Description automatically generated**

**Question 7)**

**Text

Description automatically generated with low confidence**

**Question 8)**

Yes = regular login

**Text

Description automatically generated**

No = not allowed logging in

Text

Description automatically generated