**Operating Systems – Linux Lab 2 Q&A**

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Operating Systems Environments & Administration

1. What is the purpose of the *man*command?

To display the user manual of any command that can be ran on the terminal.

1. What is the affect of including the following symbols with the *cd*command?
   * Forward Slash (i.e., "cd /")

Changes directory to the root directory.

* + One Dot (i.e., "cd .")

Changes to the current directory. In other words, does nothing.

* + Two Dots (i.e., "cd ..")

Used to move to the parent directory of the current directory.

* + Dash (i.e., "cd -")

Used to change back to the previous working directory.

* + Tilde (i.e., "cd ~")

Used to change directory to the home directory.

1. What command would you use to view the current running processes?

ps -A

1. Answer the following questions about the *head* command:
   * What is the purpose of the *head* command?

To print the first ‘N’ number of lines of the given input file.

* + By default, how **many** lines does the *head* command display?

It displays the first ten by default.

* + How would you **change** the number of lines displayed by the *head* command?

head -n *NumberOfLines FileName*

1. Answer the following questions about the *tail*command:
   * What is the purpose of the *tail*command?

To print the last ‘N’ number of lines of the given input file.

* + By default, how **many** lines does the *tail*command display?

It displays the last ten by default.

* + How would you **change** the number of lines displayed by the *tail* command?

tail -n *NumberOfLines FileName*

1. Answer the following questions about the *sudo* command:
   * What is the purpose of the *sudo* command?

Commands run with the prefix *sudo* are treated as commands with higher privileges. In other words, it allows users with the proper authorization to execute commands as another user such as a superuser.

* + What must a user **commonly** do when using the *sudo* command?

Sudo requires users to authenticate themselves with a password which is the user’s password and not the root password.

* + By default, what is the password **cache time** of the *sudo* command?

5 minutes.

* + Which **file**would you edit to increase or decrease the password cache time (provide the full path)?

The sudoers file (/etc/sudoers).