Genesis Grant

CTEC 350

CW1 HW1

1. **What is a command shell and why would I use one?**

A command shell is the interface where the user can type commands. It is useful to use if there are complex or simple tasks to be completed.

A screenshot of a computer screen

Description automatically generated

1. **How can I move around on my computer?**

Using different commands to open, edit, inspect, go back, etc. in files and directories.  
**How can I see what files and directories I have?**

Using the pwd command to print the current working directory or using the ls command to open the targeted file. Or by using the cd command to change directories.  
**How can I specify the location of a file or directory on my computer?**

To specify the absolute path you would want to include the entire path from the root directory including the leading slash (\). To specify the relative path you’ll want to include specific directory names/paths.

A screenshot of a computer program

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1. **How can I create, copy, and delete files and directories?**

We can create files using nano/notepad or mkdir to create a new file/directory.

To copy a file use the cp command or using the -r (recursive method) to copy a file or directory.

To delete or remove files use the rm command.

Use the recursive command (-r) to delete or remove directories. (rm -r directorytoremove).

**How can I edit files?**

You can edit files by using the nano/ notepad command.

**A computer screen shot of a program

Description automatically generated**

1. **How can I combine existing commands to do new things?**

To combine existing commands to do new things utilize ‘pipes and filters’, by using smaller commands to do larger tasks for you.

Pipe ( | ) – utilizes output on left of pipe for input on the right of the pipe

Filter – take input, put it through some program or process, then output the result

\*\*No photo, did not have populations file & was using powershell , certain commands did not accurately translate from unix to powershell