# ITT 255 Command Directory Log Template

**Overview:** The purpose of this document is to compile a list of the commands that you have learned and used each week in the course. This command directory will assist you in completing activities, such as your final project, in later weeks of the course. Each week, you will submit this document updated with the new commands you have learned.

**Prompt:** It is recommended that you log every new command here when you learn it in your reading or labs/lessons. You should also log the date you learned the command and where in the learning resources you found it (so that you can find it again later).

Complete this template by filling in the blank cells in the table.

| **Date** | **Command** | **Description of the Command** | **Chapter/module/lab/lesson where you found it** |
| --- | --- | --- | --- |
| 07/01/2020 | dpkg | Debian package management tool | Chapter 3 |
| 07/01/2020 | apt-get | Advance package tool front end program to the dpkg tool | Chapter 3 |
| 07/01/2020 | MySQL | A database management system | Chapter 3 & prior classes |
| 07/01/2020 | rpm | Installs, updates, query, and removes packages for the RPM | Chapter 3 |
| 07/01/2020 | yum | Automates the process of resolve dependency issues for the RPM Package Management | Chapter 3 |
| 07/01/2020 | up2date | Same as yum | Chapter 3 |
| 07/01/2020 | zypper | Command function for the ZYpp method | Chapter 3 |
| 07/01/2020 | zypper in packagename | Installs a package for the ZYpp method | Chapter 3 |
| 07/01/2020 | pwd | Prints working directory | Codio Intro to Linux |
| 07/01/2020 | ls | List Directory content | Codio Intro to Linux |
| 07/01/2020 | ls -a | List Directory content with hidden files & folders | Codio Intro to Linux |
| 07/01/2020 | cd | Command or change directory | Codio Intro to Linux |
| 07/01/2020 | mkdir | To create a directory | Codio Intro to Linux |
| 07/01/2020 | touch | To create a file | Codio Intro to Linux |
| 07/01/2020 | ls -l | List Directory content in a single line | Codio Intro to Linux |
| 07/01/2020 | whoami | List current user | Codio Intro to Linux |
| 07/08/2020 | clear | Enables more space in the terminal by moving visible content to the top | Codio Linux File System Commands |
| 07/08/2020 | rmdir | Removes empty directories | Codio Linux File System Commands |
| 07/08/2020 | rm | Removes single files | Codio Linux File System Commands |
| 07/08/2020 | rm -r | Removes directories and file hierarchy | Codio Linux File System Commands |
| 07/08/2020 | rm -i | Requests confirmation before a file or directory are removed | Codio Linux File System Commands |
| 07/08/2020 | mv | Moves each file or directory from the source to the named destination directory | Codio Linux File System |
| 07/08/2020 | mv <original file or directory> <change name> | Moves a file or directory and changes the name of the file or directory. | Codio Linux File System |
| 07/08/2020 | Ctrl + a | Shortcut to place cursor to the beginning of the command line | Codio Linux File System |
| 07/08/2020 | Ctrl + e | Shortcut to place cursor to the end of the command line | Codio Linux File System |
| 07/08/2020 | cp | Copy a file or directory | Codio Linux File System |
| 07/08/2020 | cp -R | Copy non-empty directories | Codio Linux File System |
| 07/08/2020 | ~ | Represents the home directory | Codio Linux File System |
| 07/08/2020 | Directory/ | Example of a relative path | Codio Linux File System |
| 07/08/2020 | Directory/Directory/Directory/ | Example of an absolute path | Codio Linux File System |
| 07/08/2020 | cd ../../../.. | Go back 4 levels of a relative path | Codio Linux File System |
| 07/08/2020 | -h or –human-readable | Display file size as a human-readable format | Chapter 5 |
| 07/08/2020 | !-n | Execute the nth command | Chapter 5 |
| 07/08/2020 | !! | Execute the most recent command | Chapter 5 |
| 07/08/2020 | !<command> | Execute the name of the command | Chapter 5 |
| 07/08/2020 | history | View a history list on terminal | Chapter 5 |
| 07/08/2020 | cal | Displays a calendar on terminal | Chapter 5 |
| 07/08/2020 | echo | Displays output on terminal | Chapter 5 |
| 07/08/2020 | env | Outputs a list of environment variables | Chapter 5 |
| 07/08/2020 | export | Turns local variable into environment variable | Chapter 5 |
| 07/08/2020 | unset | Remove export variable | Chapter 5 |
| 07/08/2020 | type | Determine info about the command type | Chapter 5 |
| 07/08/2020 | which | Display the full path to the command | Chapter 5 |
| 07/08/2020 | -a | Displays all location that contains the command | Chapter 5 |
| 07/08/2020 | alias | Determine what alias are set on the current shell | Chapter 5 |
| 07/08/2020 | date | Displays date and time on terminal | Chapter 5 |
| 07/08/2020 | ; | Used to run multiple commands | Chapter 5 |
| 07/08/2020 | man | View a manual page | Chapter 6 |
| 07/08/2020 | less | View a less manual page | Chapter 6 |
| 07/08/2020 | more | View a more manual page | Chapter 6 |
| 07/08/2020 | passwd | Change password | Chapter 6 |
| 07/08/2020 | locate | Locate a file or directory | Chapter 6 |
| 07/08/2020 | whereis | Same as locate | Chapter 6 |
| 07/08/2020 | updatedb | Update the locate database manually | Chapter 6 |
| 07/08/2020 | info | Provides documentation on operation system commands and features | Chapter 6 |
| 07/08/2020 | --help | Provides basic information | Chapter 6 |
| 07/12/20 | ‘text’ or “text” | A Text String | Codio Linux Searching Files and File Content |
| 07/12/20 | ! | Bang Character | Codio Linux Searching Files and File Content |
| 07/12/20 | echo $(command) | Special Syntax returns output of another command as a string | Codio Linux Searching Files and File Content |
| 07/12/20 | > | Changes the stdout to be a file with the specific name | Codio Linux Searching Files and File Content |
| 07/12/20 | \n | A line break | Codio Linux Searching Files and File Content |
| 07/12/20 | ls -h | Print file size in human readable form | Codio Linux Searching Files and File Content |
| 07/12/20 | ls -F | Add forward slashes to directories and other symbols to distinguish between normal and special files. | Codio Linux Searching Files and File Content |
| 07/12/20 | cat | Command prints file content to the stdout | Codio Linux Searching Files and File Content |
| 07/12/20 | >> | Concatenates content to a file | Codio Linux Searching Files and File Content |
| 07/12/20 | find | walks the file system evaluating an expression or argument in terms of each file in the specified source path. | Codio Linux Searching Files and File Content |
| 07/12/20 | . | Current Directory | Codio Linux Searching Files and File Content |
| 07/12/20 | + | Greater than | Codio Linux Searching Files and File Content |
| 07/12/20 | grep | any given input files, selecting lines that match one or more patterns | Codio Linux Searching Files and File Content |
| 07/12/20 | | | Allows multiple commands | Codio Linux Searching Files and File Content |
| 07/12/20 | heads | commands are used to display only the first few of a file | Ch: 10 |
| 07/12/20 | tails | commands are used to display only last few lines of a file | Ch: 10 |
| 07/12/20 | nl | Adds numbers to the output | Ch: 10 |
| 07/12/20 | STDERR | Standard Error from commands | Ch: 10 |
| 07/12/20 | tr | Capitalize a line of text use | Ch: 10 |
| 07/12/20 | sort | used to rearrange the lines of files or input in either dictionary or numeric order. | Ch: 10 |
| 07/12/20 | -t: | specifies the field delimiter | Ch: 10 |
| 07/12/20 | -k2 | Sort by field #2 | Ch: 10 |
| 07/12/20 | -k1n | Numerically Sort by Field #1 | Ch: 10 |
| 07/12/20 | -k3 | Sort by field #3 | Ch: 10 |
| 07/12/20 | wc | provides the number of lines, words and bytes | Ch: 10 |
| 07/12/20 | -w | Shows just the number of words | Ch: 10 |
| 07/12/20 | -c | Shows just the number of bytes | Ch: 10 |
| 07/12/20 | cut | can extract columns of text from a file or standard input. | Ch: 10 |
| 07/12/20 | --color | Will highlight the matched items in red | Ch: 10 |
| 07/12/20 | -v | inverts the match, outputting all lines that do not contain the pattern. | Ch: 10 |
| 07/12/20 | ^ | If the first character in the pattern, the pattern must be at the beginning of the line to match | Ch: 10 |
| 07/12/20 | ascii | Access the ascii table | Ch: 10 |
| 07/24/20 | :x | Will Save and Close File | Ch: 11 |
| 07/24/20 | :wq | Will write to file and quit | Ch: 11 |
| 07/24/20 | :wq! | Will write to a read-only file and then quit | Ch: 11 |
| 07/24/20 | ZZ | Will save and close | Ch: 11 |
| 07/24/20 | :q! | Exit without saving changes | Ch: 11 |
| 07/24/20 | :e! | Discard changes and reload file | Ch: 11 |
| 07/24/20 | :w! | Write to a read-only file | Ch: 11 |
| 07/24/20 | #!/bin/bash | Make clear that it is a bash shell script | Ch: 11 |
| 07/24/20 | bash | Before filename to run program | Ch: 11 |
| 07/24/20 | .bash\_history | file stores all the commands that are input on any shell session | Linux User and Permission |
| 07/24/20 | chmod | Update file mod | Linux User and Permission |
| 07/24/20 | top | displays a sorted list of system processes | Linux Process Management |
| 07/24/20 | bash | create another shell session which behaves as a separate terminal window because it becomes a foreground process. | Linux Process Management |
| 07/24/20 | ps | allows us to get a non interactive display of **the current running processes** | Linux Process Management |
| 07/24/20 | & | we can put the process to be executed **as a background process** | Linux Process Management |