Command Line Review

Command line is a text interface for the computer’s operating system.

A *filesystem* organizes a computer’s files and directories into a tree structure. It starts with the root directory. Each parent directory can contain more child directories and files.

*Root directory* is the first directory in the *filesystem*.

*Folders= directories*

*Files and folders are organized into a filesystem.*

When a file, directory or program is passed into a command it is called an *argument.*

From the command line, you can navigate through files and folders on your computer.

Common Commands used

*$* Shell prompt; it appears when the terminal is ready to accept a command

*pwd*  outputs the name of the current working directory (the current directory you are in)

*ls*  List directory; looks at all the files and folders inside the working directory

*cd*  change directory; changes to the directory that you specify

*cd ..*  Used to move up one directory from current.

*mkdir* make directory; creates a new directory in the working directory

*touch*  creates a new file inside the working directory

<https://www.codecademy.com/articles/command-line-commands>

**FILE MANAGEMENT**

| **Key/Command** | **Description** |
| --- | --- |
| touch [file] | Create a new file |
| pwd | Full path to working directory |
| . | Current folder, e.g. ls . |
| .. | Parent/enclosing directory, e.g. ls .. |
| ls -l .. | Long listing of parent directory |
| cd ../../ | Move 2 levels up |
| cat | Concatenate to screen |
| rm [file] | Remove a file, e.g. rm data.tmp |
| rm -i [file] | Remove with confirmation |
| rm -r [dir] | Remove a directory and contents |
| rm -f [file] | Force removal without confirmation |
| cp [file] [newfile] | Copy file to file |
| cp [file] [dir] | Copy file to directory |
| mv [file] [new filename] | Move/Rename, e.g. mv file1.ad /tmp |
| pbcopy < [file] | Copies file contents to clipboard |
| pbpaste | Paste clipboard contents |
| pbpaste > [file] | Paste clipboard contents into file, pbpaste > paste-test.txt |

**DIRECTORY MANAGEMENT**

| **Key/Command** | **Description** |
| --- | --- |
| mkdir [dir] | Create new directory |
| mkdir -p [dir]/[dir] | Create nested directories |
| rmdir [dir] | Remove directory ( only operates on empty directories ) |
| rm -R [dir] | Remove directory and contents |
| less [file] | Output file content delivered in screensize chunks |
| [command] > [file] | Push output to file, keep in mind it will get overwritten |
| [command] >> [file] | Append output to existing file |
| [command] < [file] | Tell command to read content from a file |