

Definition, Usage, and Example of the following commands

Definitions

- **mkdir**: Allows users to make or create new directories
- **touch**: Allows users to create files
- **rm**: Allows users to delete files
- **rmdir**: Allows users to remove directories
- **mv**: Allows users to rename files and directories, also allows users to move files and directories from one directory to another
- **cp**: Allows users to copy
- **ln**: Allows users to create a link between files
- **man**: Allows users to display the user manual

Usage and Examples

When you use **mkdir** you are essentially making a directory in your home directory, Example: **mkdir IceCream**. When you use **touch** you are essentially making a file inside your directory, Example: **touch IceCream/sprinkles**. When you use **rm** you are removing files from your directory, Example: **rm ~/IceCream/sprinkles**. When you use **rmdir** you are removing a directory from your directory, Example: **rm -r ~/IceCream**. When you use **mv** you are moving your files/directories into another directory, Example: **mv IceCream/fudge.png IceCream-images/**. When you use **cp** you are copying your files into a directory, Example: **cp bananasplit-sprinkles-hotfudge.png Pictures/IceCreamMenu/**. When you use **ln** you are creating a link between files, Example: **ln -s milkshake.txt sundae.txt**. Lastly, when you use **man** the user manual will pop up to help you with what you're looking for, Example: **man** or **man man**.

Brace expansion and how to use it

Brace expansion is used to generate arbitrary strings. These strings are used to **ALL** possible combinations surrounding prefixes and suffixes. It may appear as a series of comma-separated strings or an expression of braces. In order to use a brace expansion you must at least add an unquoted opening and closing brace and at least one unquoted comma. A way to use it by doing it like this: **echo 1{2,3,4,5}6**. Then the outcome would look like this: **126, 136, 146, 156**. If you don't want something to be a part of the brace expansion you can do that in a single command. For example, I don't want 77 to be a part of my expansion so I will type the command along the lines of this, **/ {77/1{44,55,66}2**.