

[Files and Directories \(1-1_filedir.md\)](#)

- `man command` displays the manual page for a given command.
- `cd path` changes the current working directory.
- `ls path` prints a listing of a specific file or directory;
- `pwd` prints the user's current working directory.
- `whoami` shows the user's current identity.
- `/` root directory of the whole filesystem.
- `..` means "the directory above the current one";
- `.` on its own means "the current directory".
- `-a, -F, etc` most commands take options (flags), begin with '-'.
stands for the user's home directory.
- `~`
- `[TAB]` for autocompletion. Double tab for available options.
- `[UP ARROW]` displays last command in the command line.

[Creating Things \(1-2-create.md\)](#)

- `cp old new` copies a file.
- `mkdir path` creates a new directory.
- `mv old new` moves (renames) a file or directory.
- `rm path` removes (deletes) a file.
- `rmdir path` removes (deletes) an empty directory.
- `touch path` creates an empty file if it doesn't already exist.
- `*` wildcard. It matches zero or more characters

[Pipes and Filters \(1-3_pipe.md\)](#)

- `cat` displays the contents of its inputs.
- `head` displays the first few lines of its input.
- `tail` displays the last few lines of its input.
- `sort` sorts its inputs.
- `wc` counts lines, words, and characters in its inputs.
- `cut` cuts out selected portions of each line
- `command > file` redirects a command's output to a file.
- `first | second` pipe, output of first is used as input to second.

[Loops \(1_4-loop.md\)](#)

- `history` displays recent commands
- `!number` to repeat a command by number.
- `for ...` repeats commands once for every thing in a list.
- `$name` to expand a variable (i.e., get its value).

[Shell Scripts \(1-5-script.md\)](#)

- `bash filename` runs the commands saved in a file.
- `$*` refer to all of a script's command-line parameters.
- `$1, $2, etc.,` refer to specified command-line parameters.
- `$@` refer to all parameters (helpful for wildcards).
- `cat "v 1.txt"` Place vars in quotes if have spaces in them.