Where to get help:

`man [-k] program` : Shows manual page
  `-k` Searches man pages for keyword program

`info program` : Information pages

Navigating Unix:

`ls [-lhaf] [dir or file]` : Lists directories and files
  `-l` List with long (verbose) format
  `-h` List with human readable format
  `-a` List all (hidden) files
  `-F` Adds file type information

`cd [directory]`:
  - Current working directory
  .. One "branch" down
  ~ Your home directory
  `~user` Home directory of user
  `/` Root file system

`pwd` : Show present working directory

File Manipulation:

`mkdir [-p] [dir]` : Makes a directory
  `-p` Makes parents of directory

`rmdir [dir]` : Deletes directory

`cp [-apr] [file1 file2... [dir]]` : Copy file(s) or directory(s) to a new location
  `-p` Preserves attributes (owner, permissions, modification time)
  `-r` Copies files recursively
  `-a` Preserves all attributes and copies recursively
  `-B` Makes a backup of file to be overwritten
  `-f` Force an overwrite of an existing file
  `-i` Interactive, it asks for verification

`mv [-vnubif] [file1 file2... [dir]]` : Move file(s) or directory(s) to a new location
  `-v` Be verbose (tells you everything mv is moving)
  `-n` No-clobber, won't overwrite existing files
  `-u` Update files that are newer
  `-b` Makes a backup of file to be overwritten
  `-f` Force an overwrite of an existing file
  `-i` Interactive, it asks for verification

`rm [-vrf] [file1 file2 file3 ...]` : Removes file(s) or directory(s)
  `-v` Verbose
  `-f` Force deleting a file (or directory)
  `-i` Interactive, it asks for verification
  `-r` Recursively remove files

`ln [-s] [source] [destination]` : Make a link to a file
  `-s` Makes a symbolic link

Useful Unix Applications:

`wget` : Get a file from the web
`nano` : Simple text editing
`cat` : List the contents of a file
`more` : Scrolls through the content of a file
`wc` : Give a word count of the file
`grep` : Searches for a string of text in a file
`which` : Shows path to program you are running
`whereis` : Helps find location of applications
`file` : Give information about a file
`clear` : Clears the screen
`find` : Find a file in a directory

Job Control:

"Ctrl"+"c" : Stops the current running program
"Ctrl"+"z" : Suspends the current running program
"Ctrl"+"d" : Exits the shell (logoff)
`command &` : Starts the application in the background
`ps` : Show the currently running processes
`bg` : Puts a suspended job into the background
`fg` : Moves a suspended job into the foreground
`jobs` : Lists jobs associated with your current shell

File and Directory Permissions:

`chmod [-R] [ugoa][+-=][rwx]` : Change read, write, and execute permissions
  `ugoa` : User, group, other, all (choose one or more)
  `-` : Add attribute
  `+` : Delete attribute
  `=` : Set to exact attribute
  `rwx` : Read, write, execute (choose one or more)
  `-R` : Do it recursively

File and Directory Ownership:

`chown [-R] [username]:[groupname] [file]` : Change ownership of file

`chgrp [-R] [groupname] [file]` : Change group ownership of file

File Data Flow:

`[command1] | [command2]` : Pipe output of command1 into command2

`command1 > file1` : Direct output of command1 to create or replace file1

`command1 >> file1` : Direct output of command 1 to be concatenated onto a file1