# Linux Cheat Sheet

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|---|---|
| `cd` | change current directory to home directory. |
| `cd dir` | change current directory to *dir*. |
| `cd ..` | change the current directory to parent of the current directory. |
| `pwd` | prints the path of the current directory. |
| `ls` | list all the files in the current directory. |
| `ls dir` | list all the files in directory *dir*. |
| `ls -l` | list all files in the current directory with more file details. |
| `touch filename` | make a new file with the given *filename*. |
| `mkdir dir` | make a new directory with name *dir*. |
| `rm filename` | delete the file with the given *filename*. |
| `rm -r dir` | delete the given directory and it's contents *dir*. |
| `cp fname1 fname2` | copies file *fname1* to file *fname2*. |
| `mv fname1 fname2` | renames file *fname1* to file *fname2*. |
| `man command` | shows the manual on how to use *command*. |
| `info command` | shows info about the *command*. |
| `apropos keyword` | searches in the manuals for the given *keyword*. |
| `cat filename` | concatenates the full file *filename* on the terminal. |
| `less filename` | show *filename* in a viewer in the terminal. |
| `head filename` | shows the first 10 lines of the file *filename*. |
| `tail filename` | shows the last 10 lines of the file *filename*. |
| `find -name filename` | recursively finds all files which match the given *filename*. |
| `exit` | closes the current (tab) in the terminal. |
| `shutdown now` | shuts down the computer. |

Table 1: Usefull Linux commands.

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|---|---|
| `nano` | text editor which works in the terminal. |
| `nano `*`filename`* | starts nano to edit the file *filename*. |
| `python` | starts interactive python console on the terminal. |
| `python `*`filename`* | uses python to execute file *filename*. |
| `python3` | starts interactive python console on the terminal. |
| `python3 `*`filename`* | uses python to execute file *filename*. |
| `gimp` | image manipulation and paint program. |
| `gedit` | text editor with a graphical userinterface. |
| `eclipse` | programming IDE for Java. Additional support for other programming languages such as Python and C++ can be added by using plugins. |
| `libreoffice` | office suite to create documents, presentations,... |
| `ssh `*`user@machine`* | remotely login to a terminal as the given *user* on the given *machine*. |
| `sftp `*`user@machine`* | utility to *put* and *get* files on the given *user*'s account on the given *machine*. |

Table 2: Usefull Linux programs.

| On the desktop | |
|---|---|
| `windows key` (press) | open launcher. |
| `windows key` (hold) | show desktop shortcuts. |
| `ctrl + alt + T` | start a new terminal. |
| `alt + shift` | switch between programs. |
| **In a terminal** | |
| `tab` | autocomplete current command. |
| `ctrl + shift + T` | start a new tab in the terminal. |
| `ctrl + C` | stop the current command |
| `ctrl + L` | clear the current terminal window. |
| `arrow up` | go back through your history of commands. |
| `middle-mouse button` | paste clipboard content. |

Table 3: Usefull shortcuts.