

# (Some) Linux commands

**Warning: Linux is case sensitive.**

This document only gives some commands and only describes some of the functionality of those commands. For more information you should use the `man` command, as listed below. The `&` after the command means run it in the background.

When you login you will be, by default, in your home directory.

## Directory manipulation:

Command	Purpose	Typical usage.
<code>pwd</code>	States present working directory.	<code>pwd</code>
<code>cd</code>	Change working directory. Return to home directory. Go up one directory.	<code>cd [directory]</code> <code>cd</code> <code>cd ..</code>
<code>mkdir</code>	Make a new directory.	<code>mkdir directory</code>
<code>rmdir</code>	Remove a directory.	<code>rmdir directory</code>
<code>ls</code>	List files. List all files, including hidden ones Give details about files in listing	<code>ls [directory]</code> <code>ls -a [directory]</code> <code>ls -l [directory]</code>

## File manipulation:

Command	Purpose	Typical usage.
<code>cat</code>	Displays all of a file.	<code>cat file</code>
<code>more</code>	Displays all of a file page by page.	<code>more file</code>
<code>less</code>	Displays all of a file page by page.	<code>less file</code>
<code>head</code>	Displays the top 15 (or other) lines of a file.	<code>head -n 15 file</code>
<code>tail</code>	Displays the bottom 15 (or other) lines of a file.	<code>tail -15 file</code>
<code>cp</code>	Copy files.	<code>cp source destination</code>
<code>mv</code>	Move files.	<code>mv file destination</code>
<code>rm</code>	Remove a file.	<code>rm file</code>

## Text editors:

Command	Purpose	Typical usage.
<code>pico</code>	Terminal editor. Save in pico: Ctrl o Exit from pico: Ctrl x Don't use Ctrl s, it freezes the editor	<code>pico file</code>
<code>nano</code>	The pico here is actually nano	<code>nano file</code>
<code>Text editor</code>	Opens in a pop-up window	Double click the file

## General commands:

Command	Purpose	Typical usage.
<code>man</code>	Provides detailed command documentation.	<code>man command</code>
<code>file</code>	Returns file type.	<code>file filename</code>
<code>chmod</code>	Change permissions.	See <code>man chmod</code>
<code>wc</code>	Word, line, character count.	<code>wc file</code>
<code>find</code>	For locating files.	See <code>man find</code>
<code>g++</code>	Compile C++ files.	<code>g++ file</code>
<code>javac</code>	Compile java files.	<code>javac file.java</code>