

# UNIX Cheat Sheet

## Directories

<code>ls</code>	List files in current directory
<code>ls -l</code>	List in long format
<code>pwd</code>	Print working directory name
<code>cd</code>	Change to home directory
<code>cd <i>dir</i></code>	Change to <i>dir</i> Current directory is <code>.</code> Directory above is <code>..</code>
<code>mkdir <i>dir</i></code>	Create directory <i>dir</i>

## Files

<code>mv <i>source1</i> ... <i>destination</i></code>	Move or rename one or more files
<code>cp <i>source1</i> ... <i>destination</i></code>	Copy one or more files
<code>rm <i>file</i></code>	Remove (delete) <i>file</i>
<code>rm -r <i>dir</i></code>	Remove directory <i>dir</i> recursively

## Miscellaneous Commands

<code>man <i>command</i></code>	Show manual page for <i>command</i>
<code>less <i>file</i></code>	Print <i>file</i> to screen in pages
<code>wc <i>file</i></code>	Count lines, words, and characters in <i>file</i>
<code>chmod <i>rights file</i></code>	Change permissions on <i>file</i> Examples of rights: <code>a+r</code> All can read <code>u+rwX</code> User can read, write, and execute <code>a-w</code> Nobody can write

## Power Tools

<code>*</code>	Matches 0 or more characters Example: <code>rm *.class</code>
<code><i>command</i> &gt; <i>file</i></code>	Run <i>command</i> , but store the output in <i>file</i> instead of printing it to the screen Example: <code>cal &gt; thismonth.txt</code>
<code><i>command</i> &lt; <i>file</i></code>	Run <i>command</i> , but get input from <i>file</i> instead of from the keyboard Example: <code>a.out &lt; testcommands</code>
<code><i>command</i>   <i>filter</i></code>	Run <i>command</i> , but pipe the output through <i>filter</i> before returning output Example: <code>ls -l   grep pdf</code>