

# Linux Cheat Sheet

I want to ...	Example
<b>Get Help</b> Display manual Get help When the computer tells you “no” make it say “yes”	<b>man</b> <i>ProgramName</i> or <b>man</b> <i>CommandName</i> <b>help</b> or <b>help</b> <i>CommandName</i> <b>sudo</b> <i>MakeMeASandwich</i>
<b>Navigate and Manipulate Files and Directories</b> Show files & directories with details Go to parent directory Change directory Go to a specific directory Show contents of a file named <i>FileName</i> Give user permissions on files and directories. <small>read=4 write=2 execute=1</small> Create a directory Remove a directory or file Copy a file Copy files with certain motif to a directory within current directory Rename or move files & directories	<b>ls -l</b> <b>cd ..</b> <b>cd</b> <i>DirectoryName</i> <b>cd</b> <i>/path/to/dir</i> <b>less</b> <i>FileName</i> <b>chmod</b> <b>777</b> <i>FileName</i> <b>mkdir</b> <i>NewDirectoryName</i> <b>rm</b> <i>OldDirectoryOrFileName</i> <b>cp</b> <i>Orig Dup</i> <b>cp</b> <i>Orig* Directory</i> <b>mv</b> <i>OldName NewName</i>
<b>Bash Short Cuts</b> Populate command line with previous command Go to the start of a command line Autocomplete at the command line	<b>↑</b> <b>CTRL A</b> <b>TAB</b>
<b>Text editing</b> Open file in text editor	<b>nano</b> <i>FileName</i>
<b>Searching</b> Search a file for a specific string of characters, such as <i>1168</i> , and display the lines in which the motif occurs. See redirecting below.	<b>grep</b> <b>'1168'</b> <i>FileToBeSearched.fq</i>
<b>Extract Files</b> Extract from tarball Extract from many different compression formats	<b>tar xf</b> <i>groupOfFiles.tar</i> <b>gunzip</b> <i>BigDoc.gz</i>
<b>Scripting</b> Run a script with bash	<b>bash</b> <i>ScriptName.sh</i>
<b>Pipelining and Redirecting</b> Use the output from one command as input for the next command Store the output of a command into a file Append the output of a command into an existing file Merge files together	<b>command1   command2</b> <b>command</b> <b>&gt;</b> <i>OutPutFileName.txt</i> <b>command</b> <b>&gt;&gt;</b> <i>OutPutFileName.txt</i> <b>cat</b> <i>File1 File2 &gt; NewFile</i>

The most frequently ways to cancel or quit out of programs and commands are **CTRL C**, **CTRL Q**, and **CTRL Z**