

Command/Concept	Usage/Syntax	Description	Example
Changing your \$path	<code>set path &lt;list&gt;</code>	You can set your path with a list, e.g., pre-append a directory to the existing path. If you run <code>set path</code> at the command line the changes will only last as long as you are logged in. <b>Note:</b> This is a <code>tcsh</code> specific example.	<pre># Pre-append \$HOME/testo # to your existing \$path set path = ("\$HOME/testo" \$path)</pre>
<code>.login</code> file	Edit <code>\$HOME/.login</code>	Commands in the <code>.login</code> file are run when you login to your <code>tcsh</code> shell. (Login implies entering your password at the prompt).	<pre># Append your .login # file with: echo "Welcome back!"</pre>
<code>.cshrc</code> file	Edit <code>\$HOME/.cshrc</code>	Commands in the <code>.cshrc</code> file are run when you login <u>or</u> when start a new <code>tcsh</code> shell (after logging in).	<pre># Append your .cshrc file # with the changing \$path # example from above, e.g., set path = ("\$HOME/local/bin" \$path)</pre>
<code>wget</code>	<code>wget '&lt;url&gt;'</code> <code>-O &lt;output file&gt;</code>	Download a file off the web. Optionally save it to a different filename using the <code>-O</code> option (capital O). Place the <code>&lt;url&gt;</code> in single quotes to protect against special characters causing issues, e.g., <code>\$</code> , <code>&amp;</code> , and <code>?</code>	See HMMER <code>wget</code> example in Chapter 6 of the textbook.
Decompress a gzip file	<code>gzip -d &lt;filename&gt;</code> <code>gunzip &lt;filename&gt;</code>	Decompress (uncompress) a gzip file (usually has a <code>.gz</code> extension).	<pre>gzip -d   hmmer-3.2.tar.gz</pre>

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Extract a tar file	<code>tar -xf &lt;filename&gt;</code>	Extract the contents (files and directories) from a .tar file	<code>tar -xf hmmmer-3.2.tar</code>
Create a gzipped tar file	<code>tar -czf &lt;tarball&gt;     &lt;dir1&gt; &lt;dir2&gt; ...</code>	Create a .tar.gz file from a directory. You can tar/compress several directories (and their contents recursively).	<code>tar -czf myhmmmer.tar.gz hmmmer-3.2</code>
file	<code>file &lt;filename&gt;</code>	Identify a file type, especially if it is missing an extension.	<code>file unknownfile</code>
"Canonical" install	<code>./configure make make check make install</code>	Part of the "canonical" install process of source code on Unix/Linux systems. <code>make check</code> is not always available. <code>make check</code> may be done as <code>make test</code> on some software packages.	See HMMER build example in Chapter 6 of the textbook.