Brief Introduction to Facility Workstations

Files and Directories:
- File names are case sensitive and the characters `"'`?<>(){}[]*&$:;|\/` and `space` should be avoided.
- One dot (`.`) corresponds to the current directory, two (`..`) to the parent directory.
- All directories are somewhere under the root directory "/", and are hierarchical: `/bin` is in the root directory, `/usr/local/bin` is another directory two levels down.
- User home directories are mounted from the facility file server over the network, and can be accessed from any of the workstations.

Simple Commands:
   (all file and directory names below can also include the path to the file e.g. "`<dir>`" can be "`../calcs/gauss/water`" or "`/usr/bin/X11`")

`pwd` = print working directory, displays current directory

`cd <dir>` = change working directory to `<dir>`, if `<dir>` is blank, change to user home directory.

`ls [name]` = list contents of current directory, or optionally the directory or file `[name]`. Several useful arguments: `-l` = long list; `-a` = show all files including hidden (`.something`)

`man <command>` = shows the user's manual for `<command>`

`cat <file1> [file2] ...` = concatenate and show `file1` [and `file2 ...`] contents

`cp [-r] <infile> <outfile>` = copy `<infile>` to `<outfile>`, works recursively on directories with `-r` option

`mv [-r] <infile> <outfile>` = move or rename a file [or directory with `-r`]

`rm [-r] <file>` = remove a file [or directory with `-r`]

`mkdir <dir>` = makes new directory `<dir>`

`rmdir <dir>` = removes directory `<dir>`, but only if empty

`grep "some text" <file>` = finds lines in `<file>` that contain "`some text`"

Utilities:

`less <file>` = file viewer, type "q" to quit

`gvim` = graphical version of `vim`, the text editor

`bc` = calculator in terminal

`xcalc` = calculator in window

`top` = shows process list and system info, type "q" to quit

Applications:

`gv` = starts GaussView interface to Gaussian03

`spartan` = starts Spartan interface

`vmd` = starts VMD

`maestro` = starts Macromodel interface

`ebuilder` = graphical molecule builder