

Scientific Programming

Terminal Cheat Sheet

Directory and file management

<code>ls</code>	List the contents of the current directory
<code>cd foo</code>	Change directory to a subdirectory called foo
<code>cd ..</code>	Change directory to the parent directory
<code>mkdir foo</code>	Make a new subdirectory called foo in the current directory
<code>rmdir foo</code>	Remove subdirectory foo
<code>rm foo.txt</code>	Delete the file foo.txt
<code>kate &</code>	Open the text editor
<code>kate prog.cpp &</code>	Edit the source file prog.cpp in text editor

Compiling and running files If you have a C++ program in the file prog.cpp you compile it using the command:

```
c++ prog.cpp -o prog
```

Will compile the program into an executable or give a list of errors in the program. The executable will be called prog. (You can change this to anything you want.) The program can then be run using the command:

```
./prog
```