



Appendix 2 – linux 101 – non-intimidating version

Viewing directories; moving around the file system

When logging in, you always start from your 'home' directory. This is represented by a '~' before the command prompt (\$).

At the command line prompt (\$) in linux, you can view the current directory contents:

```
$ ls
```

or for a more complete output:

```
$ ls -la
```

To go down a directory (e.g. `cgenie_output`) relative to where you already are:

```
$ cd cgenie_output
```

and to go back up one is:

```
$ cd ..
```

It is often safer/easier at first, if you need to change more than one directory level to do this in stages. e.g. to change to `cgenie_output/exp0_modern_SPINUP`, change to `cgenie_output` (`cd cgenie_output`) but then check that you are in the place you think you are and/or remind yourself of the spelling of the next directory you need to change to by typing `ls`.

You can always return to your home directory (~) by typing:

```
$ cd
```

or:

```
$ cd $HOME
```

(or `cd ~`)

Copying and moving files

To copy a file `myconfig` to `myconfig_new`, assuming you are in the same directory where both the old file is and the new file will be:

```
$ cp myconfig myconfig_new
```

To move `myconfig` to the `cGENIE user-config` directory, assuming you are in the directory where the old file is but with the new file in a different directory, give the full path of the new directory:

```
$ mv myconfig ~/cgenie.muffin/genie-userconfigs/LABS/myconfig
```

To rename `myconfig` to `useless_config`:

```
$ mv myconfig useless_config
```

Creating directories

To create a directory `mydirectory`:

```
$ mkdir mydirectory
```

Repeating command lines

You do not have to re-enter lines of commands and options in their entirety each time – by pressing the UP cursor key you get the last command you issued. If you keep pressing the UP cursor key you can recover progressively older commands you have previously entered. When you have recovered a helpful line you can simply just edit it, navigating along with the LEFT and RIGHT cursor keys (press RETURN when you are done).

