

Handout One

Extra Exercise

To start make sure you are in the root directory of your home area, remember you can simply type `'cd'` then press **'Enter'** to take you there.

- Make a new directory called `'hand1temp'` inside your `'fortran'` directory but do this without changing into the fortran directory first.
- Copy your `'power3.f90'` code from your `'exercise4'` into the new `'hand1temp'` but again do this while remaining in the root directory of your home area and also using a single `'cp'` command.
- Rename the file from `'power3.f90'` to `'power3sum.f90'` again do this while remaining in the root directory of your home area.
- Using one `'cd'` command change directory into the new `'hand1temp'` directory.
- Using the nano editor open the file `'power3sum.f90'` for editing.
- Introduce a new `'INTEGER'` type variable `'c'` and in the code set `'c'` to be the second power of `'a'`. Introduce a new `'INTEGER'` type variable `'d'` and set `'d'` to be the sum of the two powers. Now add `'c'` and `'d'` to the `'PRINT'` statement to show the result.
- Compile and run the new code.