

Operating Systems Reflective Journal Template

Note: You **must** provide evidence for your answers, where appropriate, by inserting examples of Practical work you undertook; for eg: solutions attempted, code written. You **must** also provide, at the end of this document, your answers to the questions from the Practical Handout.

Please answer **all** questions.

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Practical Name/Topic Installing Software from Source-Code	Session Dates 20/03/25
<i>What did I read for this session (apart from the Practical handout)?</i>	http://www.gnuplot.info
<i>What were the main points that were new to me in the Practical?</i>	gnuplot
<i>What were two main things I learned?</i>	How install software from source-code
<i>In trying to solve the problems, what were the things I tried?</i>	I didn't have problems
<i>What went wrong in my initial attempts to solve each problem, and why?</i>	No problems
<i>What went right in my final attempts to solve each problem, and why?</i>	No problems
<i>How did my learning in the Practical relate to what I'm learning in other parts of the module; for example: in the Lecture</i>	Ok
<i>What did we not cover that I expected we should?</i>	All good

<i>What was new or surprising to me?</i>	Nothing yet
<i>I am still unsure about...</i>	Nothing
<i>Issues that interested me a lot, and that I would like to study in more detail</i>	Work in CLI
<i>What I most liked about this Practical was...</i>	Describes every step
<i>What I most disliked about this Practical was...</i>	Slow VM
<i>How did you feel about how you performed in the Practical?</i>	Good
<i>Miscellaneous interesting facts I learned in this Practical...</i>	None

Please insert your answers from the Practical Handout here (use as many pages as you need):

3.8. (Revision Exercises) Commands to:

- Create a directory: `$ mkdir <directory_name>`
- Move a file: `$ move <source> <destination>`
- Chan directory: `$ cd <directory_name>`

4.2. (Exercise) \$ ls:

- `diningphil/ gnuplot-5.4.5/ gnuplot-5.4.5.tgz practical3/sayhello*`

4.3. (Revision Exercises) Explain the tar command options (\$ man tar):

- -z: Compress/decompress using gzip
- -x: Extract files
- -v: Show progress
- -f: Specify the file

5.2. (Exercise) Configure:

- `--prefix=PREFIX` Install architecture-independent files in PREFIX [/usr/local]

- `$./configure --prefix=</path/dir>`

5.4. (Revision Exercises) `./`:

- `./` – means current dir, (`/home/student/programs/gnuplot-5.4.5`)
- If run without `./`, this will assume that this program is in `PATH`

7.4. (Revision Exercises) Current Working Directory:

- `# pwd`
- `/root`

8.2. (Exercise) `/usr/local`:

- `$ ls /usr/local`
- `bin/ doc/ etc/ games/ include/ lib/ libexec/ sbin/ share/ src/`

8.3. (Exercise) `/usr/local/bin`:

- `$ ls /usr/local`
- `gnuplot*`
- `/bin` contains binary executable files, these are compiled programs that can be run from the command line
- “bin” – is short for “binary”