

Unix coursework (5%) General Feedback (October 2021)

Where did we (all markers) save your scripts? We saved them in the main directory called **scripts** that we created in our **home** directory.

How did we run your scripts: After we made sure they were executable (chmod +x): **./process_files jpeg gif docx (sometimes starting with source, sh... or with jpg as an argument instead of jpeg)**

For most of you, the scripts executed without any issue.

There are, however, many reasons that could explain the loss of a few marks including the following:

- After running the process_files scripts, it is asking to enter file extensions again. This should be one line of code as instructed.
- For a very few, the list of the files in each directory was not sorted by size.
- For most students, the **sort by size task** was generally done well, but many files did not include the file sizes to verify their ordering was correct. Therefore, the markers could not know whether the files were sorted by size unless they sorted the files themselves.
- The reversed alpha file could have done with a better presentation, such as space between the different sections.
- The reversed alpha file is not sorted as expected, does not include all the sections or is sorted by size instead.
- An extra section included in the reversed alpha file.
- No reversed alphabetical file.
- The personal reflection section was often brief and not entirely reflective. It should have been more elaborated. This should have focused more on how you overcame challenges, what you have taken from the experience, how this will inform your approach to further assignments. You were tasked to write four paragraphs.
- Process_files script not commented enough (detailed) or not commented at all.
- Clean-up script is not commented.
- There is no good presentation of documents, and not all the screenshots have been included; For both tasks, a good presentation of the documents was very important. The assessment title for a start is a good thing. All the screenshots should have been well described, presented and organised. Screenshots often were not accompanied by clear, detailed explanations to help the reader. Usually no explanations were given for screenshots, they were just thrown into a document even without headings.
- The script was also not executing, which subsequently affected the overall marks. Some of you either hard-coded paths (i.e. included your own username), and others assumed scripts directory was in a particular location (generally directly inside of the home directory, sometimes in the Downloads directory). Others hard-coded a path to the zip file in the Downloads directory when the specification clearly states it was to be in the main directory 'scripts'.

- The scripts are in .docx format.
- **Apache task** This was usually an exact recreation of the supplied tutorial, which often would have benefitted from explanations in the student's own words and changing the name `sampledomain` to something more appropriate and relevant. Some students even copied the html file exactly from the tutorial rather than following the instructions provided in the specification for what to include in this document.
- **Apache serving the domain name.** Congratulations to a very few of you who successfully completed this. Most students tried to trick the markers by showing their domain name but no screenshot evidence of how they did it. To have your domain name served, you should have configured your host file found at /etc/hosts and assigned the IP address to your domain name. Partial configuration of the server.
- The clean-up script should have removed everything, including the scripts directory.
- You installed ssh but there is no screenshot evidence of it being active.
- No installation of ssh
- No scripts submitted
- No screenshots documents submitted
- No correct output