

# Individual Task

1. For each of the following, write a command to perform the given task. You can assume that all referenced files exist, and no errors occur.
  1. List the contents of the current directory, sorted by last modified time, from most recently modified to least recently modified
    - `ls -lt`
  2. Move the file `2022-12.txt` to the `old_data` subdirectory of the current directory
    - `mv 2022-12.txt ./old_data/`
  3. Display the last 6 lines of `old_data/2022-12.txt` to the terminal
    - `tail -n 6 old_data/2022-12.txt`
  4. Display the contents of `old_data/2022-12.txt` one page at a time
    - `less old_data/2022-12.txt`
  5. Delete the file `old_data/2022-12.txt`
    - `rm old_data/2022-12.txt`
2. For each of the following, use English to explain the given commands. You can assume that all referenced files exist, and no errors occur.
  1. `wc -L old_data/2022-12.txt`
    - Here, “wc” command is used to count the number of words, lines and characters in the file “2022-12.txt” which is inside “old\_data” sub-directory. But as “-L” option is also used, the command “wc” will only output the length of the longest line in that specified file.
  2. `grep MISSING old_data/2022-12.txt`
    - Here, “grep” command is used to search for a word “MISSING” in the file “2022-12.txt” which is inside “old\_data” sub-directory. And if it finds the word “MISSING” in the file, “grep” will display the entire line/s where the word is found, else no output is displayed.
  3. `grep MISSING old_data/2022-12.txt | tee missing.txt | head`
    - Here, “grep” command is used to search for a word “MISSING” in the file “2022-12.txt” which is inside “old\_data” sub-directory. And if it finds the word “MISSING” in the file, “grep” will display the entire line/s where the word is found, else no output is displayed. But here, instead of displaying the output in screen, it transfers the output to “| tee missing.txt” command.
    - And “| tee missing.txt” command is used to write the output displayed by the grep command in the file named “missing.txt”
    - And again, “| head” command is used to display the first 10 lines of the previous output to the screen.

- So, in overall “grep MISSING old\_data/2022-12.txt | tee missing.txt | head” command is used to search “MISSING” word and write the result in “missing.txt” file and then display the first 10 lines of the output in the screen.

4. `chmod -w missing.txt`

- Here, “chmod” command is used to change the permission of the file “missing.txt”. And the “-w” option is used to delete the write permission of that file so the user can only read the file but cannot edit the contents.

5. `ls old_data/202[012]_*.t?t`

- Here, “ls” command is used to display all the contents as per the condition inside the “old\_data” directory where the condition is the file name must start with “202” and any one character among [012] and then “\_” character and again any number of characters in between till file extension as it is using “\*” wildcard. Then after the file extension, which is represented by “.”, the file extension starts from “t” and any one character after as it is using “?” wildcard and again the last character is “t” after it.

# Pair Task - Should not

Large language models, or also known as LLMs, are a deep learning algorithm that can recognize, summarize, translate, predict, and generate text and other content based on knowledge gained from huge amounts of datasets (NVIDIA Corporation, 2023). The use of LLMs have been an increasing problems these days for academic institution as students are using these for their academic assessments. LLMs, in these days have been able to generate human like languages using huge amount of data. Their use is increasing day by day in many fields including education as students are making the use of them to get help in their assignments and education without knowing the aspects of their assignments. However, it is very important to consider whether their use is ethical and agrees with the Society values of the Australian Computer Society's Code of Ethics. Professionalism is one of the Society principles in the Australian Computer Society's Code of Ethics, which involves maintaining high ethical standards. According to the Code of Professional Conduct, professionals are expected to conduct themselves honestly and objectively while producing high quality work. The use of LLMs for academic evaluations might raise questions regarding the objectivity and integrity of the submitted work. (Australian Computer Society, 2023).

By using the LLMs, students may not be learning the critical thinking and analytical abilities required for success in their future employment if they highly depend on LLMs which might cause severe problem ahead when tackling with real problems in their life. Also, using LLMs could cause students to produce work that lacks originality since they might only use the model to create material rather than bringing their own viewpoint and creativity into the task. Moreover, the use of LLMs in assignments can result in problems with equality and justice. The technology might not be available to all and thus, its use might provide unfair advantage over other students which may increase the achievement gap already present between students from various socioeconomic backgrounds. LLMs are also not always perfect and may provide inaccurate or unfair results. Additionally, the use of LLMs can lead to plagiarism. Some students may simply copy and paste the content generated by the model without properly citing the source.

But some people also argue with the use of LLMs being beneficiary for the students as it could help students who have difficulty with fluency of the language needed to write documents and articles for their assignments. LLMs can also be used to provide feedback and identify the area that needs to be improved by the student. However, LLMs are not always perfect and may provide inaccurate or unfair results. Additionally, the use of LLMs can lead to plagiarism. Some students may simply copy and paste the content generated by the model without properly citing the source.

In conclusion, while the use of LLMs for academic assignments may be controversial, it ultimately does not align with the social values of the Australian Computer Society's Code of Ethics. Therefore, the use of LLMs in educational fields should not be permitted unless specifically directed.

## References

- NVIDIA Corporation. (2023, March 23). *What Are Large Language Models Used For?* Retrieved from <https://blogs.nvidia.com/blog/2023/01/26/what-are-large-language-models-used-for/>
- Australian Computer Society. (2023, March 23). *Code of Ethics*. Retrieved from <https://www.acs.org.au/content/dam/acs/rules-and-regulations/Code-of-Ethics.pdf>