

Lab 4 Assignment

Date submission due: 4 Nov 2023, Saturday 22:55 (Cyprus Time)

Submission Rules

In this assignment, you are given a set of questions. You need to answer with UNIX commands that we covered so far. **Please read the questions carefully and give your answers to each of those, one by one.** You may receive a zero if you do not separate your solutions for each item. Your submissions have to be in pdf format. **Do not** write your answers to a paper and take a photo of that paper and submit it as pdf file. This will not be accepted. The submission rules that you need to follow are the following.

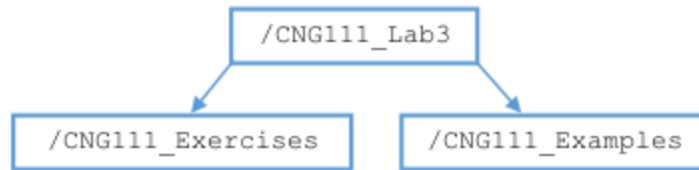
- You can **only use** the **commands that we covered in the labs** so far.
- You need to write your answers and provide screenshots for those answers if it is specified in the question.
- You need to **separate your solutions for each question one by one**. Combined answers or a single screenshot showing the History for all the commands will not be graded.
- You need to **submit single pdf file**.
- **Do not take screenshots with a camera**, you can follow the tips below to take screenshots.
- If you break a rule you will get 0.

Tips

- A sample submission file will be provided, which will contain solutions to the previous lab. Please check it and try to provide as much information as you can. Please note there can be other solutions. It does not have to be exact as long as your final result matches.
- You can use the snipping feature to take your screenshots. You can reach this feature in windows using the following shortcut: windowsbutton+shift+s, in macOS using the following: Shift+Command+4 or take a full screenshot using the PrintScreen button on your computers.
- Make sure you show your work by using commands like ls or cat to display the contents of a file or a folder.

Questions

1. Create the following directory tree under Desktop. After creating this, show the directory tree of CNG111_Lab3. **Include a screenshot of your terminal using these commands only.**



2. Using redirection, create an empty file named Example.txt under CNG111_Examples folder. **Include a screenshot of your terminal using these commands only.**
3. Create another file named Exercises.txt under CNG111_Exercises folder using cat command and redirection. In the first line write your student id, second line: your name, third line: your surname. **Include a screenshot of your terminal using these commands only.**
4. Go to CNG111_Lab3 folder, move Examples.txt file to CNG111_Exercises folder without changing its name. **Include a screenshot of your terminal using these commands only.**
5. Try to delete both CNG111_Exercises and CNG111_Examples folders in single line. Redirect the error to Examples.txt folder using Standard Error channel. **Include a screenshot of your terminal using these commands only.**
6. In a single line and using pipes, search inside the CNG111_Exercises folder and find the files which contains "Ex" in their names. Display the number of lines, words, characters in the result. Redirect the output using STDOUT channel to Examples.txt file. Using cat command show the contents of Examples.txt file. **Include a screenshot of your terminal using these commands only.**

Q6 Tip: You should use two pipes to reach the result. Your answer should look like this:

X | Y | Z (Output Redirection) Examples.txt

X, Y, Z should be replaced by different commands in which you should decide.