



MIDDLE EAST TECHNICAL UNIVERSITY, NORTHERN CYPRUS CAMPUS

CNG 111 Introduction to Computer Engineering Concepts

Lab 3 Assignment

Date submission due: 28 October 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 pdf files**.
- **Do not take screenshots with a camera**, you can follow the tips below to take screenshots.

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 a directory named CNG111_YourStudentID under desktop and go into that folder and use the **pwd** command to show your current location. **Include a screenshot of your terminal using these commands.** Your final destination should be similar to this:
Home/User/Desktop/CNG111_YourID
2. Create a file with **vi** command named YourStudentID.txt under the CNG111_YourStudentID folder. Write your name, surname, and studentID in this file. Show the contents of this file using **the cat** command and **Include a screenshot of your terminal that contains the vi, cat, and the results of these commands.**
3. In CNG111_YourStudentID folder, create a folder named Temporary_Folder and **copy** YourStudentID.txt to that folder and name it as YourStudentID_copy.txt . **Include a screenshot of your terminal using these commands.**
4. Show a detailed directory tree of the CNG111_YourStudentID folder. **Include a screenshot of your terminal showing the directory tree and your command.**
5. Move the YourStudentID_copy.txt file from Temporary_Folder to CNG111_YourStudentID Folder. **Include a screenshot of your terminal, showing how you handle the moving operation.**
6. Delete the Temporary_Folder. **You can just write the command for this question. You do not have to include a screenshot.**
7. Search for the first two letters of your name in the CNG111_YourStudentID.txt file and redirect the results in CNG111_YourStudentID_copy.txt file without deleting its contents. Show the contents of both files(The original and the copy) using **the cat** command. **Include a screenshot of your terminal showing your answers and the results of the cat command.**
8. Delete the CNG111_YourStudentID.txt file. **You can just write the command for this question. You do not have to include a screenshot.**
9. Display the count of lines, words, and characters of the CNG111_YourStudentID_copy.txt file. **Provide a screenshot showing the command and the result only.**

***Bonus:** Show the list of the commands you have executed. You do not have to fit all the commands you have used for this submission. **Just show the portion that fits your screen as a screenshot.**