



United International University (UIU)

Department of CSE

Trimester: Summer 2022

Course Name: | CSI 310 | Operating Systems Laboratory (Section B)

Submission Guideline:

- Write the bash commands in a text file.
- Rename the text file with your 9-digit student ID.
- Submit the text file.
- **X = last 2 digits of your roll number**

Please do not copy codes from others/the internet. Each of the offline assignments will be evaluated with a viva. You must be able to explain your code. Also, we will run a copy checker on the submissions. Any plagiarism will be severely penalised.

Tasks:

Total Marks: 15.0

0. [0.0 pts] You will be given three text files (*File1.txt*, *File2.txt*, *File3.txt*). Download all the files
1. [0.5 pts] Open up a terminal and navigate to */tmp* directory
2. [0.5 pts] Create a new directory with the name *CSI310_X*
3. [1.0 pts] Copy the text files given in step 0 from your Downloads folder **using cp command** into the newly created directory
4. [0.5 pts] Create a new empty text file with the name *File4.txt*
5. [2.0 pts] Write the contents of *File1.txt* and *File2.txt* into *File4.txt* (Hint: Use append to file)
6. [2.0 pts] Sort the lines of *File3.txt* and *File4.txt* and write the output into a new file named *File_X.txt*
7. [1.0 pts] Print the number of words and number of lines in *File_X.txt*
8. [2.0 pts] Print the contents of line number 8 to 12 from *File_X.txt*
9. [1.5 pts] Create a new user with '*your_student_id*'
10. [1.5 pts] Subtract read, write permission of *File_X.txt* for '*your_student_id*' user.
11. [1.0 pts] Change the user to '*your_student_id*'
12. [1.0 pts] Try to write on *File_X.txt*
13. [0.5 pts] Change user to back to the root
14. [+(Bonus) 1.0 pts] Change directory back to */tmp* and delete the *CSI310* directory with all its contents.