

# THE UNIVERSITY OF WESTERN ONTARIO

DEPARTMENT OF COMPUTER SCIENCE  
LONDON CANADA

## *Software Tools and Systems Programming* (Computer Science 2211a)

### *LAB 1*

The week of September 13-19, 2020

Due date: Monday, September 21, 2020, 11:55 pm Eastern Daylight Time  
(Tuesday, September 22, 2020, 3:55 am Greenwich Mean Time)

The purpose of this lab is to get experience with Gaul system login/logout process, basic Unix commands, and lab submission.

1. Give a shell command line for each of the following 20 questions.

In this lab, you are asked to do the following (please do it in the following order) :

1. Login into your gaul account at **compute.gaul.csd.uwo.ca**
2. Create a directory named **tmp** in your home directory
3. Create a directory named **courses** in your home directory
4. Change your current working directory to **courses**
5. Inside the directory **~/courses**, create a directory named **cs2211a**
6. Change your current working directory to **cs2211a**
7. Inside the directory **~/courses/cs2211a**, create a directory named **Labs**
8. Change your current working directory to **Labs**
9. Inside the directory **~/courses/cs2211a/Labs**, create a directory named **lab1**
10. Change your current working directory to **lab1**
11. Inside the directory **~/courses/cs2211a/Labs/lab1**, use an editor (i.e. **vi** or **emacs**) to create a file **text.txt**, whose content is:  
Hello world!
12. Display the content of the file **text.txt** in at least two ways
13. Copy the file **text.txt** to the directory **~/tmp**
14. Change your current working directory to **~/tmp**

15. Delete the file **text.txt** from the directory `~/tmp`
16. Change your current working directory to your home directory
17. Type *date* command
18. Type *who am i* command
19. Type *pwd* command
20. Logout your gaul account

2. What to submit for this lab?

In your home computer, edit a text file with the following contents and save it as

**YourUserName\_lab1\_answer.pdf**. **YourUserName** should be your UWO email user name or your Gaul account user name. You will submit this file for lab 1.

(Note that, since this term just started, lab 1 is an exception, from lab 2, lab submissions will follow the directions stated in **CS2211a Lab submission Guidelines**.)

A. Fill in the following six lines

CS2211a 2020

Lab 1

Your name

Your student number

Your UWO User Name

Date Completed

B. Could you "ssh" into your Gaul account? Mark your answer with an X.

Yes ( )

No ( )

C. Could you use "mkdir" to create new directories? Mark your answer with an X.

Yes ( )

No ( )

D. Copy and paste the computer output from "date" command in the next line.

E. Copy and paste the computer output from "who am i" command in the next line.

F. Copy and paste the computer output from "pwd" command in the next line.

3. Read the information in "Introduction to UNIX on the GAUL Network" provided in the course webpage.