# **Assignments**

## **Assignment 1 - In progress**

Honor Pledge Accepted Draft - In progress Submitted Returned

#### **Assignment Details**

Title

Assignment 1

Due

Sep 27, 2022 11:55 PM

Number of resubmissions allowed

Unlimited

Accept Resubmission Until

Sep 29, 2022 11:55 PM

Status

Honor Pledge Accepted

**Grade Scale** 

Points (max 100.00)

Modified by instructor

Sep 15, 2022 9:17 PM

#### **Instructions**

- 1. Answer the following questions.
  - 1. What is an operating system?
  - 2. What is a kernel of an operating system?
  - 3. What is a shell in Unix?
  - 4. Explain the advantages and disadvantages of using a high-level programming language versus assembly
- 2. Answer the following questions for directory navigation. Demonstrate your answers by typing the appropriate commands and capture the screen with a screenshot called <u>Q2.png</u>. We assume that you are in directory /home/<username>/2211/Assignments/Assignment1 where <username> is your username. Create directories along the path if they do not exist.

For this question, use compute.gaul.csd.uwo.ca.

- 1. In /home/<username>/2211/Assignments/Assignment1, create four objects in this directory: two directories called dir0 and dir1 and two files called df0 and df1. Then, in dir0 create a file df0.
- 2. Navigate to the directory dir0
- 3. Demonstrate you are in /home/<username>/2211/Assignments/Assignment1/dir0
- 4. Navigate back to your home directory using a shortcut
- 3. Answer the following questions for the use of 1s command. Demonstrate your answers by typing the appropriate commands and capture the screen with a screenshot called <a href="Q3.png">Q3.png</a>. We assume that you are in directory /home/<username>/2211/Assignments/Assignment1 where <username> is your username. For this question, use compute.gaul.csd.uwo.ca.
  - 1. What option(s) should we use with 1s if we want to display permission information?

- 2. What option(s) should we add to 1s di\* to display permission information of dir0 and dir1 but not their contents?
- 3. What option(s) should we use to display permission information sorted by modification time, such that the most recently updated file/directory appears last.
- 4. What option(s) should we use to display permission information for every file and directory under /home/<username>/2211/Assignments/Assignment1
- 4. Answer the following questions for the use of find command. Demonstrate your answers by typing the appropriate commands and capture the screen with a screenshot called <u>Q4.png</u>. We assume that you are in directory /home/<username>/2211/Assignments/Assignment1 where <username> is your username. For this question, use compute.gaul.csd.uwo.ca.
  - 1. What option(s) should we use if we want to display recursively all the directory names?
  - 2. What option(s) should we use if we want to display recursively all the empty directory names?
  - 3. What option(s) should we use if we want to display recursively all the files (but not directory) whose name starts with d?
  - 4. What option(s) should we use if we want to display all the files that have been accessed within the last 48 hours?
- 5. "Gimme" question
  - 1. You will need to choose an editor ("IDE") for the C programs you will write in the labs and assignments. Identify 3 editors you could use for writing C programs and provide a short list of advantages and disadvantages to each.

#### **Testing and submitting**

The assignment should be uploaded through OWL only.

Please answer all five questions in the OWL assignment submission text box. Questions 2, 3, and 4 should have just the command you used to answer the question or achieve the given task.

Also, submit the following files demonstrating your answers to questions 2, 3, and 4 along with the output:

- Q2.png
- Q3.png
- Q4.png

### I need help

Check to see if your question has already been posted in the forums. If not, post your question.

https://owl.uwo.ca/x/yvBGmc

#### **Grading Rubric**

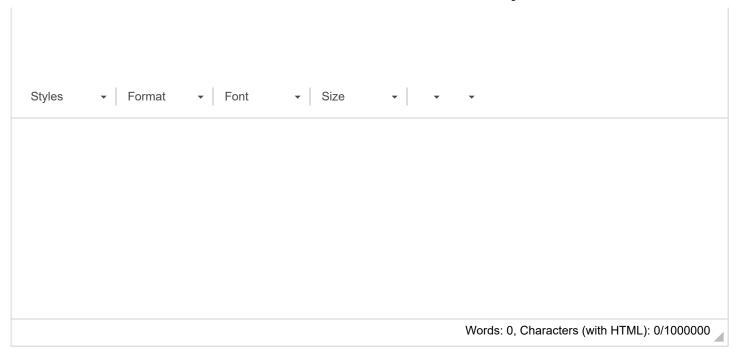
Preview Rubric

# **Submission**

## **Assignment Text**

This assignment allows submissions using both the text box below and attached documents. Type your submission in the box below and/or use the Browse button or the "select files" button to include other documents. **Save frequently while working**.

Source



#### **Attachments**

No attachments yet

