

## 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 Q2.png. 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 `ls` command. Demonstrate your answers by typing the appropriate commands and capture the screen with a screenshot called Q3.png. 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 `ls` if we want to display permission information?

2. What option(s) should we add to `ls -li` 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 Q4.png. 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

Styles

▼

Format

▼

Font

▼

Size

▼

▼

▼

Words: 0, Characters (with HTML): 0/1000000

Attachments

No attachments yet

Select a file from computer

Choose File

No file chosen

or select files from 'Home' or site

Proceed

Preview

Save Draft

Cancel

⚠ Don't forget to save or proceed!