

EECS2031

Lab 7 Winter 2016

In this lab, you will be introduced to Linux and simple shell script programming using the Bourne shell (sh). Practice the Linux part and the

Linux

In this part, you are requested to practice the different commands we mentioned in the lecture.

Using man pages, check `tr`, `uniq`, `sort`, ...

Exercises; Do not submit

1. Write a shell script that takes two numbers as command line arguments and display their sum. If there are less than 2 numbers (as arguments) the program should display
shell_script_name: needs two parameters
2. Write a shell script that goes through your current directory and display all the files that you have a write permission for
3. Write a shell script that goes through all the files in your directory and display the file name followed by how many bytes are in the file
4. Write a shell script that does the following
 - Asks the user for his/her name (first last)
 - Greet the user
 - Asks the user about year of birth
 - Prints "Oh, you are xxx years old"
 - Asks the user for login name
 - Displays the user login shell with appropriate message (for this, you have to google the format of `/etc/passwd` file).
5. Write a shell script to display the time by using the command "date". Display only the time not the entire date. Execute "date" to see how it outputs the date.

Problem statement

Write a shell script that accepts two arguments. The two arguments are the name of 2 files.

- If the arguments are not 2, display "need 2 arguments" and quit.
- If one or both of the arguments are directory, display "No directories please" and quit.
- If one of the two files does not exist, display "filename: no such file" where filename is the name of the missing file, then quit. If the two files do not exist, repeat the above for the 2 files, each in a separate line and quit.
- If the 2 files do exist, then display one of the two phrases, "The two files are identical" or "The two files are not identical" then quit.

You need to google what is the exist status for "diff"

submit it as mydiff.sh in the directory L7

make sure the file is executable by group