Classwork 1: Introduction to `nano` and `submit`.

In-class Date: Monday 29 January
Due Date: Monday 05 February

Objectives

To become familiar with the nano text editor on the GL system and understand how to submit assignments.

NOTE: I have used my own username and home directory in the examples. While you are entering the commands, be sure the words before the] on your screen match what's shown in the examples, as that'll ensure you are in the right place to execute each command.

NOTE: Unless otherwise noted, be sure to hit Enter(PC)or return(Mac) after every command! At the end of the lab, you will use submit to turn in a transcript of your Linux session. If you do not finish all the steps, just submit as much as you get done.

Assignment: Tell me about yourself / Submit something

1 Login to the UMBC Linux GL System

If you use a Windows machine at home, you may need to install PuTTY first, which can be download from `https://www.putty.org`. If you have Windows 10, you can use the Windows Subsystem for Linux to get a native SSH client on your machine. Mac users, use Terminal.app to SSH to UMBC.

When connecting, make sure you're typing your user name in all lowercase.

2 Use the nano Text Editor to Create an Autobiography

You will be using the `nano` text editor to create a file called "mybio.txt". To create your autobiography file, do the following

1. Enter the nano editor by typing `nano mybio.txt`

2. Simply type in the information specified below. Edit any mistakes using the *Backspace* or *Delete* key to backspace like you would in a normal word processor, like Microsoft Word. When you get to the end of a line, hit the enter(PC) or return(Mac) key at a reasonable spot instead of letting the text wrap around to the next line. Remember that `nano` is simply a text editor and does not format things nicely for us, nor does it do spell checking.

3. <u>Save your work</u> as you go by pressing *CTRL-O* for "write out".

4. To <u>exit nano</u>, press *CTRL-X*. If you have made changes since you last saved, it will ask you if you want to save the file, so press *Y* for yes, then enter(PC) or return(Mac) when prompted to save the file. It is highly advisable NOT to change the filename.

5. You will know that you have exited nano and are again back at the Linux command line if you see the prompt, which should look something like `[rzak1@linux1 ~]$`

6. You can check that the file *mybio.txt* is in your directory by typing `ls`, which is the command to see the files in a directory.

The file will contain a brief autobiography about you as follows:

- Begin by stating your name, major, and class standing (eg. freshman, sophomore, etc).

- Write a paragraph or two about yourself, answering the following:

  - Where are you from, and why did you choose UMBC?

  - Why did you pick your major?

  - What is the best course (college, or otherwise) you've had, and what made it memorable?

  - What is your favourite colour?

3   Submit Your File In the GL System

The command to submit the file should look like this, of course, with <u>your</u> user name.

```
[arsenaul@linux1 ~]$ submit cmsc104_arsenaul cw1 mybio.txt
Submitting mybio.txt...OK
```

4   Check Your Submission

```
[arsenaul@linux1 ~]$ submitls cmsc104_arsenaul cw1
total 5
drwxr-xr-x  2 arsenaul rpc 2048 Sep  1 21:51 .
drwxr-xr-x 23 arsenaul rpc 2048 Sep  1 21:49 ..
-rw-r--r--  1 arsenaul rpc   54 Sep  1 21:51 mybio.txt
```

5   Logout

```
[arsenaul@linux1 ~]$ exit
```

or

```
[arsenaul@linux1 ~]$ logout
```

Grading Rubric

- *mybio.txt* is complete: 100 points

What to Submit

You should have already submitted *mybio.txt* by following the instructions above.

Last modified: 31 January 2023