AOSC 652: Analysis Methods in AOSC   **Name: _____**

Assignment #1: 40 points

Due: Friday, 2 Sept, 5 pm (can place completed assignment in Ross's AOSC mailbox)
Late penalty: 8 pts per day

This assignment is an exercise in the use of a Linux text editor, several basic Linux commands, plus the use of the AOSC helper website to create a password protected webpage.

Part I (4 points).

First, go to a website such as http://www.poemhunter.com/poems/ and find a 1 to 2 page poem to your liking.

Then, obtain a hardcopy of this poem using the classroom printer.

Using a Linux text editor such as "vi", "emacs", "nano", or "nedit", type the poem into a file. Please enter "line breaks" where appropriate, and try to match the punctuation, etc of the poem.

Finally, print out a hard copy of the file containing the poem you have entered using the Linux enscript command (this is file #1). Please display the full linux path to the filename in the printout.

Part II (8 points).

Show the poem to Ross, Jeff, or Walt. We will suggest a particular change to the poem (i.e., he may suggest changing all occurrences of a certain word, such as "dog", to "cat").

Implement the change suggested by the class instructor.

Print out a hard copy of the file containing the altered poem (this is file #2), again showing the fill linux path of the filename.

Part III (8 points).

Determine the linux command that allows you to compare the contents of file #1 (original poen) and file #2 (altered poem), apply this command to the two files, and then "pipe the output" into another file. This is file #3.

Print out a hardcopy of file #3, containing the results of the comparison of files #1 & #2.

Please turn in the hardcopy of the original poem (printed from an external website) as well as files #1, #2, and #3 described above. For all print outs *please use the full path for each filename* and print on the BW printer in CSS 3426 using the "lw" alias of the enscript command: i.e., issue linux command: lw /homes/metogra/user/…/filename

Part IV (20 points).

Now comes the fun part.

We would like for you to post both files you have created on a password protected website!

From your home directory, create a sub-directory named www

From the www sub-directory, create a sub-directory named aosc652

Copy the two files, containing the original and modified program, into the aosc652 subdirectory

If you stopped here, these two files (nice program and silly alteration) would be available for the world to see, including Google search engines. Often, we like to password protect material, so that it can not be picked up by the Google search engine (sorry, Sergey Brin) or other prying eyes.

Instructions for how to create a password protected website can be found on the AOSC helper webpage:

http://www.atmos.umd.edu/~helper/Index/passwd.web.html

Following these instructions to the best of your ability, password protect these two files using:

Username: aosc652
Password: css3426

Please write the full URL of the website you have created here:

_____

For most of our assignments, we will encourage you to work with other students, stopping short of sharing actual code. For this assignment, if you have questions, we ask you approach Ross, Jeff, or Walt (rather than other students) as we would like to interact with you and gauge your experience, which will help us better teach this course.