HW # 4: Note: download internet (pdf) version of the course text book (if you haven’t already): <http://linuxcommand.org/tlcl.php>

1. Open a new terminal and navigate to your home directory (cd ~). Create a new folder named HW4, and navigate into HW4.
2. From the HW4 folder, run the following commands:

***cat << \_EOF\_ > file1.txt***

***unix is great os. unix is opensource. unix is a free os.***

***learn the Linux operating system.***

***Unix or Linux, which one you choose.***

***uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.***

***mweir’s 37751-9191***

***\_EOF\_***

***cat << \_EOF\_ > file2.txt***

***macOs is a great os. macOs is not opensource. macOs is Unix, but macOs is not a free os.***

***learn the Linux operating system.***

***Unix or Linux, which one you choose.***

***uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.***

***mwcorley’s SUID is 34521-1122***

***\_EOF\_***

***cat << \_EOF\_ > file3.txt***

***Windows is great os. Windows is not opensource. Windows is not a free os.***

***Learn an operating system.***

***Unix or Linux whichever one you choose.***

***uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.***

***cpatch’s SUID is unknown***

***\_EOF\_***

The above commands are examples of *here documents*, which you can read about it on page 379 in the class text: [here](https://mwcorley79.github.io/MikeCorley/presentations/TLCL-19.01.pdf#page=403)

1. Using the files created in step 1. and 2. Write a command (or a script) to search and print all .txt files in the HW4 directory that contain an SUID number of the following format: XXXXX-XXXX. Hint: consider using grep with a regular expression to match the SUID format (the SUID regex isn’t much different than the social security number regex discussed in the notes)
2. Write a command to *find* all of the text files in your HW4 folder (and any child folders), and for each file found, print the lines that contain the string “SUID”. Hint: consider using the *find* and *grep* commands.
3. Write a shell script that implements a basic 4-four calculator (add, subtract, multiply, and divide)

The calculator should display a menu, and function similar to the screen shot below.

