**CS 3421 Week 4 Problems: Sed**

**1.** Create a sed script which deletes the first four lines of the input file, removes all lines beginning with “//” followed by a space, and removes any span of text (potentially across multiple lines) beginning with “/\* and ending with “\*/”. Also include the command to run the script called rec4-1.sed for a file named file1.php (contents below) and print output to file1Clean.php

# file1.php

# sed Problem

# Week 4

# Question 1

<?php

/\*

\* print the date

\* in a human-readable format

\*/

echo “The date is: ”;

echo date('l jS \of F Y h:i:s A');

// close php tag

?>

1,4d  
/\*\/\/ /d  
/\/\\*,/\\*\//  
  
sed –f rec4-1.sed file1.php  
  
can input to a new file doing:  
sed –f rec4-1.sed file1.php > file.ext

**2.** Create a sed script which inserts the line “#!/bin/bash” before the first line of the file and removes any lines beginning with “#” not including the “#!/bin/bash” line you added. Also include the command to run the script called rec4-2.sed for a file named shellscript (contents below) and print output to shellscript.sh

# shellscript

# Shows the date and who is on

date

echo "who is on?"

# List users

who

1 i\  
#!/bin/bash  
/^#/d  
  
insert writes immediately to the file and not to the pattern space so it is not matched when deleting lines with #

**3.** Create a sed script which replaces all instances of “<h1>” or “<h2>” to “<strong>” and all instances of “</h1>” or “</h2>” to “</strong>”. Assume there is one instance of “<footer>*some text*</footer>” in the file (potentially spanning multiple lines) which must be moved to the end of the file (including the tags). Also include the command to run the script called rec4-3.sed for a file named file2.html (contents below) and print output to file2Fixed.html

<!-- file2.html -->

<h1>title</h1>

<h2>subtitle</h2>

<footer>

footer text

</footer>

<p>some text</p>

s/<h1>|<h2>/<strong>/g  
s/<\/h1>|<\/h2>/<\/strong>/g  
/<footer>/,/<\/footer>/H  
/<footer>/,/<\/footer>/d  
$ G (this mathes the last line of the file with $ and appends   
 the data in the hold space to the end of file)  
  
sed –E –f three.sed file1.html > newfile.ext