

1. vi was used to write the entire homework.

2. `sudo touch /usr/arm/opt/bin/foobar`
`sudo ln -s /var/lib/systimer/logs /usr/arm/opt/bin/foobar`

3. `find * -regextype posix-egrep -regex -regex "[0-9]{2}$"`
`-exec grep "[0-9]+$" {}+ \;`

NOTE: This command doesn't work but it was the closest I was able to get I was working on for a while and needed to move on. It seems like it should work but it appends the '+' character to the end of the file names. Other than that it identifies the correct filenames and tries to grep them.

4a. a#0

4b. a

4c. 6

4d. 6

5a. `\b(0b)?[01]+\b`

5b. 0

5. An unintended match to this RE is a floating point number where the floating point part contains only 1's and 0's.

6a. `\-?\b[0-9]*[02468]\b`

6b. 2

6. An unintended match to this RE is a floating point number where the floating point part contains ends in an even number.

7a. `\-?[0-9]{,38}\.[0-9]{1,16}\b`

7b. .1

7. For this one, because we can't put a word boundary at the beginning of the RE it will match numbers where the int part exceeds the maximum integer that can be represented in floating point, such as a 40 digit integer with a decimal.

8. `enscript --header='$n %D $C|$%' Tyler Punch'`
`hw.04.txt -o temp | ps2pdf temp Punch-Tyler-ECE331-HW04.pdf`