Lab 1 -- using UNIX and lex

Re-submit Assignment

Due Jan 27 by 10am **Points** 10 **Submitting** a file upload **File Types** pdf

In this lab assignment, you will download a lex file HERE and place the file in your working directory (I would recommend that you create a directory for this course).

After saving the file, you need to run "lex" on the file. Lex is a program which takes LEX directives and writes C programs. You are to do the following

1) lex wordlengthlab1.l

-- you should get a new file call lex.yy.c

2) compile the new file

gcc -o wordlength lex.yy.c

3) you now have an executable called "wordlength"

execute wordlength as follows

./wordlength < /etc/passwd

and examine the output.

4) modify the original code to count the times a number occurs. A number is defined as [0-9]+

You should declare one more counting variable "countnums" to accomplish task

5) Create a MAKEFILE so that anytime you update your lex file, you run lex on the file and compile it.

6) Run the same command with your modified code on /etc/passwd

Turn in in PDF

1) Your name, Lab title, date

2) describe the changes you made to the original code

3) a copy/paste of your modified LEX routine

4) A copy of your makefile (you need to add comments on your make file like you do for all code)

5) a screen shot of your output

Some Rubric (1)			
Criteria	**Ratings**		**Pts**
Description of criterion	Full Marks 5 pts	No Marks 0 pts	5 pts
			Total Points: 5