Ownership Count

Due according to the class schedule.

Assignment

In this assignment you will explore which users and groups files in the operating system belong to.

Requirements

On the machine [php.cs.dixie.edu], you will count how many files belong to each user/group combination. You will do this for each user/group combination that exists, in each of the directory trees [/etc], [/usr], and [/var].

Details

- In some of these systems, you will not be able to access all of the files. Report on those you can access.
- For our purposes, directories are files, include them in the count.
- Be sure not to include files that are not local to the hard drive.
- Create a table for each of the directory trees that shows the user/group combination and the number of files found.

Hint:

```
ls -lR, awk, sort, and uniq
```

- Hint: Do them in that order. You could create a table of output for /var with a single line... then do it for /etc/ and the other directory.

- Hint2: Look at the ‘-c’ flag for the ‘uniq’ command.

- Hint, here are some counts I found in /var (Spring 2017)

```
2  _apt root
69  man root
46  root adm
 1  root crontab
 1  root Debian-exim
 1  root lxd
 1  root mail
 1  root mlocate
10399  root root
 2  root shadow
 1  root staff
 1  root syslog
 5  root utmp
```

- if you are off by a few, that is ok. Different ways of doing it might result in different counts.

Submission and Passoff

- Submit a PDF with your 3 tables to the instructor.