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)

```plaintext
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.