

## CS 309

### Assignment 6

1. Create a bash (sh) alias that will use *ps* to list all processes with the processes sorted so that those using the largest amount of CPU time (first key) and memory space (second key) listed first.
2. Modify *syslog.conf* to send *local0* facility log entries with a priority of *less than warning* to */var/log/local0-minor* and all with priority of *warning or greater* to */var/log/local0-major*. Use the *logger* command to test that it works.
3. Create a script and cron job that will test the files in */bin*, */sbin* and */usr/sbin* to see if they have been modified in the last hour.
4. Create an alias that would identify processes running on your system that are older than some given input value in days. Note, an alias could begin with a script (or two) that you write and then finally an alias.
5. Create a script or alias that would give the process number(s) and user name (s) that is(are) currently using a file. Look at the *fuser* command.
6. Look in */var/log* and identify the content of the following files:
  - *boot.log*
  - *messages*
  - *rpmpkgs*
7. Install *swatch* via *rpm* on your system and configure it to notify you of failed logins, *su*'s and *sudo*'s. It is possible that *swatch* won't install properly due to some missing Perl modules. See the attached description for the solution.
8. Use *at* or *batch* to execute a simple command. For example"  
echo "Time for class" — at 8:50