

**Course:** CIS68C1  
**Homework:** HW 8: System Logs  
**Due:** 6pm Monday, November 18<sup>th</sup>

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## Instructions

The goal of this homework is to explore and learn about the various system logs available on UNIX systems. Examine the appropriate log files on your system, and when indicated, give both the name of the log file, and the line(s) from that log file that answers the question.

1. In what log file would you find the system version number? Show the line from the log.
2. What log file indicates how much memory the system has? Show the line from the log.
3. What log file indicates the root filesystem type, and how is it mounted? Show the line from the log.
4. What log file is used to maintain records of sendmail transactions? What information is contained in each record?
5. What log shows the services started via /etc/rc.d/rcN.d?
6. What is dmesg?
7. What is contained in /var/log/lastlog?
8. Why are there several revisions of the log files in /var/log? What program created the .1, .2, .3, etc. logs?
9. What is /var/log/wtmp? What program reads it?