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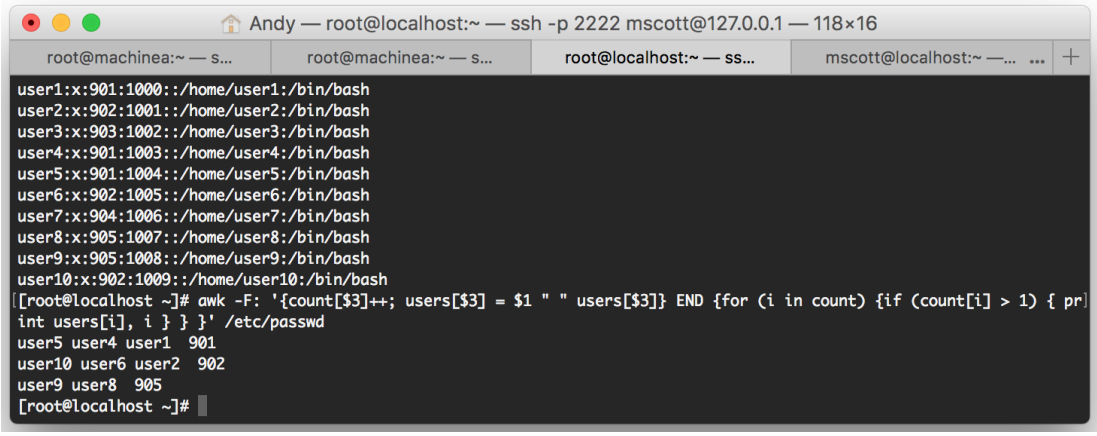
CSCI 4113
Homework 5

1. awk -F: '{count[$3]++; users[$3] = $1 " " users[$3]} END {for (i in count) {if (count[i] > 1) { print users[i], i } } }' /etc/passwd



2. How was the TCP/IP protocol determined to be modeled in four layers? Could the four layers be broken up into a more distributed model or would that be counterproductive/ineffective?
3. Proc is a virtual filesystem. It doesn't actually contain any real files but instead runtime system information. Many system utilities are just calls to files in /proc. If you change files in /proc you can read or change kernel parameters while the system is still running. /proc resides on system memory, not the disk.
4. /proc/devices gives you a list of devices that are configured for the current kernel, broken into block devices and character devices.