# Linux Exercise 2

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1.

a. Use the cut command to extract the usernames from /etc/passwd.(Hint: First column. Each column is separated by : character)

```
cut -d':' -f1 /etc/passwd
```

b. Display the contents of /var/log/auth.log to dislay the user log, and then try reversing it with tac. Which is more useful? What if you pipe the output into less?

```
cat /var/log/auth.log
tac /var/log/auth.log
```

2.

a. Try making an empty ?le and using tail -f to monitor it. Then add lines to it from a different terminal, using a command like this:
echo "testing" >>filename

In terminal 1:

```
touch /tmp/mylog

tail -f /tmp/mylog
```

In terminal 2:

```
echo "something added to file" >> /tmp/mylog
echo "something added to file2" >> /tmp/mylog
```

3. For the following use the command: ps -aux

a. Come up with the command to sort processes sorted by CPU%

```
echo "CPU:" && ps aux | sort -k 2n
```

b. Come up with the command to sort processes sorted by MEM%

```
echo "Memory:" && echo && echo && ps aux | sort -k 3n
```