1. Utilizando o CUT, selecione o shell padrão de cada usuário no arquivo/etc/passwd;

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~

root@debian:/# cut -d: -f7 /etc/passwd
/bin/bash
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/bin/sync
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/bin/false
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/bin/false
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
/usr/sbin/nologin
```

2. Exiba as 15 primeiras linhas do arquivo /var/log/messages;

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~

root@debian:/# head -n 15 /var/log/messages
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &DOCUMENTS. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &MUSIC. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &PICTURES. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &VIDEOS. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &DOWNLOAD. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &DOCUMENTS. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &MUSIC. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &PICTURES. Ignoring this location.
Mar 11 18:50:32 debian tracker-miner-f[486]: Unable to get XDG user directory path for special directory &VIDEOS. Ignoring this location.
Mar 11 18:50:32 debian goa-daemon[561]: goa-daemon version 3.38.0 starting
Mar 11 18:50:33 debian org.gnome.Shell.desktop[514]: VMware: No 3D enabled (0, Sucesso).
Mar 11 18:50:33 debian org.gnome.Shell.desktop[514]: libEGL warning: DRI2: failed to create dri screen
Mar 11 18:50:33 debian org.gnome.Shell.desktop[514]: VMware: No 3D enabled (0, Sucesso).
Mar 11 18:50:33 debian org.gnome.Shell.desktop[514]: libEGL warning: DRI2: failed to create dri screen
Mar 11 18:50:33 debian org.gnome.Shell.desktop[514]: VMware: No 3D enabled (0, Sucesso).
root@debian:/#
```

3. Exiba as 10 últimas linhas do arquivo /var/log/messages;

```
root@debian:/# tail /var/log/messages
Mar 12 12:03:03 debian gnome-software[1110]: hiding category productivity featured applications: found
Mar 12 12:03:03 debian gnome-software[1110]: automatically prevented from changing kind on system/pack
Mar 12 12:03:04 debian gnome-software[1110]: not handling error download-failed for action refine: fai
L PUBLIC "-//IETF//DTD HTML 2.0//EN">#012<html><head>#012<title>404 Not Found</title>#012</head><body>
this server.</p>#012<hr>#012<address>Apache/2.4.6 (Red Hat Enterprise Linux) Server at people.gnome.or
Mar 12 12:03:04 debian gnome-software[1110]: failed to get featured apps: no apps to show
Mar 12 14:43:36 debian gnome-software[1110]: Only 0 apps for recent list, hiding
Mar 12 14:43:36 debian gnome-software[1110]: hiding category graphics featured applications: found onl
Mar 12 14:43:36 debian gnome-software[1110]: hiding category productivity featured applications: found
Mar 12 14:43:36 debian gnome-software[1110]: automatically prevented from changing kind on system/pack
Mar 12 14:43:37 debian gnome-software[1110]: failed to get featured apps: no apps to show
Mar 12 14:43:37 debian gnome-software[1110]: not handling error download-failed for action refine: fai
L PUBLIC "-//IETF//DTD HTML 2.0//EN">#012<html><head>#012<title>404 Not Found</title>#012</head><body>
this server.</p>#012<hr>#012<address>Apache/2.4.6 (Red Hat Enterprise Linux) Server at people.gnome.or
root@debian:/#
```

4. Insira 10 números aleatórios dentro de um arquivo e imprima os mesmos ordenados no terminal;

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~
5
6
4
1
2
9
8
7
6
3
~
~
-- INSERÇÃO --
```

```
root@debian:/home/kauan# vim arquivo.txt
root@debian:/home/kauan# cat arquivo.txt
5
6
4
1
2
9
8
7
6
3
root@debian:/home/kauan# sort -n arquivo.txt
1
2
3
4
5
6
6
7
8
9
root@debian:/home/kauan#
```

5. Veja instantaneamente os logs em /var/log/messages após reiniciar algum dos serviços que ficam em /etc/init.d

```
root@debian:/etc/init.d# tail -f /var/log/messages
Mar 12 12:03:04 debian gnome-software[1110]: not handling error download-failed for action refine: failed to download http://people.gnome.org/~jimmac/gnome-software/slack
L PUBLIC "-//IETF//DTD HTML 2.0//EN">#012<html><head>#012<title>404 Not Found</title>#012</head><body>#012<h1>Not Found</h1>#012<p>The requested URL /~jimmac/gnome-softwa
this server.</p>#012<hr>#012<address>Apache/2.4.6 (Red Hat Enterprise Linux) Server at people.gnome.org Port 443</address>#012</body></html>
Mar 12 12:03:04 debian gnome-software[1110]: failed to get featured apps: no apps to show
Mar 12 14:43:36 debian gnome-software[1110]: Only 0 apps for recent list, hiding
Mar 12 14:43:36 debian gnome-software[1110]: hiding category graphics featured applications: found only 0 to show, need at least 9
Mar 12 14:43:36 debian gnome-software[1110]: hiding category productivity featured applications: found only 0 to show, need at least 9
Mar 12 14:43:36 debian gnome-software[1110]: automatically prevented from changing kind on system/package/debian-stable-main/generic/org.gphoto.libgphoto2/* from generic
Mar 12 14:43:37 debian gnome-software[1110]: failed to get featured apps: no apps to show
Mar 12 14:43:37 debian gnome-software[1110]: not handling error download-failed for action refine: failed to download http://people.gnome.org/~jimmac/gnome-software/slack
L PUBLIC "-//IETF//DTD HTML 2.0//EN">#012<html><head>#012<title>404 Not Found</title>#012</head><body>#012<h1>Not Found</h1>#012<p>The requested URL /~jimmac/gnome-softwa
this server.</p>#012<hr>#012<address>Apache/2.4.6 (Red Hat Enterprise Linux) Server at people.gnome.org Port 443</address>#012</body></html>
Mar 12 14:49:18 debian tracker-extract[30854]: Set scheduler policy to SCHED_IDLE
Mar 12 14:49:18 debian tracker-extract[30854]: Setting priority nice level to 19
Mar 12 14:52:48 debian gnome-software[1110]: Only 0 apps for recent list, hiding
Mar 12 14:52:48 debian gnome-software[1110]: hiding category graphics featured applications: found only 0 to show, need at least 9
Mar 12 14:52:48 debian gnome-software[1110]: hiding category productivity featured applications: found only 0 to show, need at least 9
Mar 12 14:52:48 debian gnome-software[1110]: automatically prevented from changing kind on system/package/debian-stable-main/generic/org.gphoto.libgphoto2/* from generic
Mar 12 14:52:50 debian gnome-software[1110]: not handling error download-failed for action refine: failed to download http://people.gnome.org/~jimmac/gnome-software/slack
L PUBLIC "-//IETF//DTD HTML 2.0//EN">#012<html><head>#012<title>404 Not Found</title>#012</head><body>#012<h1>Not Found</h1>#012<p>The requested URL /~jimmac/gnome-softwa
this server.</p>#012<hr>#012<address>Apache/2.4.6 (Red Hat Enterprise Linux) Server at people.gnome.org Port 443</address>#012</body></html>
Mar 12 14:52:50 debian gnome-software[1110]: failed to get featured apps: no apps to show
```