

# lab 8

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## Question 1

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```
edlantigua@edlantigua-VirtualBox:~$ mkdir lab8
edlantigua@edlantigua-VirtualBox:~$ cd labs/
bash: cd: labs/: No such file or directory
edlantigua@edlantigua-VirtualBox:~$ cd lab/
bash: cd: lab/: No such file or directory
edlantigua@edlantigua-VirtualBox:~$ cd lab8/
edlantigua@edlantigua-VirtualBox:~/lab8$ echo "All files in my homes directory" > file_repo
edlantigua@edlantigua-VirtualBox:~/lab8$ ls -Am ~ >> file_report.txt
edlantigua@edlantigua-VirtualBox:~/lab8$ cat file_report.txt
.ansi_codes.sh, .bash_aliases, .bash_history, .bash_history Document 1,
.bash_logout, .bashrc, .cache, challenge-Lab6, cis106-, cis106-.zip, .config,
Desktop, .dmrc, Documents, .dotnet, Downloads, .fontconfig, .gitconfig, .gnupg,
lab6 projects, lab8, .lessht, .local, .mozilla, Music, Pictures, .pki,
.profile, Public, scripts, snap, .ssh, .sudo_as_admin_successful, .textFiles.sh,
tft.sh, .thunderbird, Untitled Document 1,
.vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard-tty7-control.pid,
.vboxclient-clipboard-tty7-service.pid,
.vboxclient-draganddrop-tty2-control.pid,
.vboxclient-draganddrop-tty7-control.pid,
.vboxclient-draganddrop-tty7-service.pid,
.vboxclient-hostversion-tty2-control.pid,
.vboxclient-hostversion-tty7-control.pid, .vboxclient-seamless-tty2-control.pid,
.vboxclient-seamless-tty7-control.pid, .vboxclient-seamless-tty7-service.pid,
.vboxclient-vmvga-session-tty2-control.pid,
.vboxclient-vmvga-session-tty7-control.pid,
.vboxclient-vmvga-session-tty7-service.pid, .viminfo, .vscode, .Xauthority,
.xsession-errors, .xsession-errors.old
edlantigua@edlantigua-VirtualBox:~/lab8$
```

## Question 2

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```
edlantigua@edlantigua-VirtualBox:~$ cd lab8/
edlantigua@edlantigua-VirtualBox:~/lab8$ echo "Total Number of files in my home directoy" >> file_report.t
edlantigua@edlantigua-VirtualBox:~/lab8$ ls -lA ~ | grep "^-" | wc -l
34
edlantigua@edlantigua-VirtualBox:~/lab8$ ls -lA ~ | grep "^d" | wc -l >> file_report.txt
edlantigua@edlantigua-VirtualBox:~/lab8$ echo "Total number of directories in my home directoy" >> file_r
eport.txt
edlantigua@edlantigua-VirtualBox:~/lab8$ ls -lA ~ | grep "^d" | wc -l >> file_report.txt
edlantigua@edlantigua-VirtualBox:~/lab8$ tail file_report.txt
.vboxclient-vmvga-session-tty7-control.pid,
.vboxclient-vmvga-session-tty7-service.pid, .viminfo, .vscode, .Xauthority,
.xsession-errors, .xsession-errors.old
Total Number of files in my home directoy
57
Total Number of directory in my home directoy >> file_report.txt
echo Total Number of directory in my home directoy
34
Total number of directories in my home directoy
22
edlantigua@edlantigua-VirtualBox:~/lab8$
```

## Questions 3

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```
geoclue /usr/sbin/nologin
pulse /usr/sbin/nologin
gnome-initial-setup /bin/false
hplip /bin/false
gdm /bin/false
edlantigua /bin/bash
vboxadd /bin/false
_flatpak /usr/sbin/nologin
lightdm /bin/false
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1,$NF}' /etc/passwd
```

```
pulse /usr/sbin/nologin /run/pulse
gnome-initial-setup /bin/false /run/gnome-initial-setup/
hplip /bin/false /run/hplip
gdm /bin/false /var/lib/gdm3
edlantigua /bin/bash /home/edlantigua
vboxadd /bin/false /var/run/vboxadd
_flatpak /usr/sbin/nologin /nonexistent
lightdm /bin/false /var/lib/lightdm
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1,$NF,$6}' /etc/passwd
```

```
The usernm-openvpn logs in with: /usr/sbin/nologin and its homedir is: /var/lib/openvpn/cnroot
The usersaned logs in with: /usr/sbin/nologin and its homedir is: /var/lib/saned
The usercolord logs in with: /usr/sbin/nologin and its homedir is: /var/lib/colord
The usergeoclue logs in with: /usr/sbin/nologin and its homedir is: /var/lib/geoclue
The userpulse logs in with: /usr/sbin/nologin and its homedir is: /run/pulse
The usergnome-initial-setup logs in with: /bin/false and its homedir is: /run/gnome-initial-setup/
The userhplip logs in with: /bin/false and its homedir is: /run/hplip
The usergdm logs in with: /bin/false and its homedir is: /var/lib/gdm3
The useredlantigua logs in with: /bin/bash and its homedir is: /home/edlantigua
The user vboxadd logs in with: /bin/false and its homedir is: /var/run/vboxadd
The user_flatpak logs in with: /usr/sbin/nologin and its homedir is: /nonexistent
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print "The user" $1, "logs in with: \"$NF,\"and its homedir is: \"$6}' /etc/passwd
```

```

lightdm = /bin/false
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash" >
bash: syntax error near unexpected token `newline'
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash" >
bash: syntax error near unexpected token `newline'
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash"
root = /bin/bash
edlantigua = /bin/bash
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash" >>
report_users.txt
edlantigua@edlantigua-VirtualBox:~/lab8$

```

```

The usernews logs in with: /usr/sbin/nologin and its homedir is: /var/spool/news
The useruucp logs in with: /usr/sbin/nologin and its homedir is: /var/spool/uucp
The userproxy logs in with: /usr/sbin/nologin and its homedir is: /bin
The userwww-data logs in with: /usr/sbin/nologin and its homedir is: /var/www
The userbackup logs in with: /usr/sbin/nologin and its homedir is: /var/backups
The userlist logs in with: /usr/sbin/nologin and its homedir is: /var/list
The userirc logs in with: /usr/sbin/nologin and its homedir is: /run/ircd
The usergnats logs in with: /usr/sbin/nologin and its homedir is: /var/lib/gnats
The usernobody logs in with: /usr/sbin/nologin and its homedir is: /nonexistent
The usersystemd-network logs in with: /usr/sbin/nologin and its homedir is: /run/systemd
The usersystemd-resolve logs in with: /usr/sbin/nologin and its homedir is: /run/systemd
The usermessagebus logs in with: /usr/sbin/nologin and its homedir is: /nonexistent
The usersystemd-timesync logs in with: /usr/sbin/nologin and its homedir is: /run/systemd
The usersyslog logs in with: /usr/sbin/nologin and its homedir is: /home/syslog
The user_apt logs in with: /usr/sbin/nologin and its homedir is: /nonexistent
The usertss logs in with: /bin/false and its homedir is: /var/lib/tpm
The useruidd logs in with: /usr/sbin/nologin and its homedir is: /run/uidd
The usersystemd-oom logs in with: /usr/sbin/nologin and its homedir is: /run/systemd
The usertcpdump logs in with: /usr/sbin/nologin and its homedir is: /nonexistent
The useravahi-autoipd logs in with: /usr/sbin/nologin and its homedir is: /var/lib/avahi-autoipd
The userusbmux logs in with: /usr/sbin/nologin and its homedir is: /var/lib/usbmux
The userdnsmasq logs in with: /usr/sbin/nologin and its homedir is: /var/lib/misc
The userkernoops logs in with: /usr/sbin/nologin and its homedir is: /
The useravahi logs in with: /usr/sbin/nologin and its homedir is: /run/avahi-daemon
The usercups-pk-helper logs in with: /usr/sbin/nologin and its homedir is: /home/cups-pk-helper
The userrtkit logs in with: /usr/sbin/nologin and its homedir is: /proc
The userwhoopsie logs in with: /bin/false and its homedir is: /nonexistent
The userssdd logs in with: /usr/sbin/nologin and its homedir is: /var/lib/sss
The userspeech-dispatcher logs in with: /bin/false and its homedir is: /run/speech-dispatcher
The userfwupd-refresh logs in with: /usr/sbin/nologin and its homedir is: /run/systemd
The usernm-openvpn logs in with: /usr/sbin/nologin and its homedir is: /var/lib/openvpn/chroot
The usersaned logs in with: /usr/sbin/nologin and its homedir is: /var/lib/saned
The usercolord logs in with: /usr/sbin/nologin and its homedir is: /var/lib/colord
The usergeoclue logs in with: /usr/sbin/nologin and its homedir is: /var/lib/geoclue
The userpulse logs in with: /usr/sbin/nologin and its homedir is: /run/pulse
The usergnome-initial-setup logs in with: /bin/false and its homedir is: /run/gnome-initial-setup
The userhplip logs in with: /bin/false and its homedir is: /run/hplip
The usergdm logs in with: /bin/false and its homedir is: /var/lib/gdm3
The useredlantigua logs in with: /bin/bash and its homedir is: /home/edlantigua
The user vboxadd logs in with: /bin/false and its homedir is: /var/run/vboxadd
The user_flatpak logs in with: /usr/sbin/nologin and its homedir is: /nonexistent
The userlightdm logs in with: /bin/false and its homedir is: /var/lib/lightdm

```

## Question 4



```

edlantigua@edlantigua-VirtualBox:~/lab8$ grep -1 "honda" ~/Documents/Csv/cars.csv > honda1.csv
edlantigua@edlantigua-VirtualBox:~/lab8$ head -1 ~/Documents/Csv/cars.csv > honda1.csv
edlantigua@edlantigua-VirtualBox:~/lab8$ cat honda1.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
edlantigua@edlantigua-VirtualBox:~/lab8$ grep -1 "honda" ~/Documents/Csv/cars.csv >> honda1.csv
edlantigua@edlantigua-VirtualBox:~/lab8$ sed 's/;/./g' honda1.csv
Car.MPG.Cylinders.Displacement.Horsepower.Weight.Acceleration.Model.Origin
edlantigua@edlantigua-VirtualBox:~/lab8$ sed 's/;/./g' honda1.csv > honda2.csv
edlantigua@edlantigua-VirtualBox:~/lab8$

```

2: edlantigua@edlantigua-VirtualBox: ~/Documents/Csv ▾

```

edlantigua@edlantigua-VirtualBox:~/Documents/Csv$ ls
cars.csv cereal.csv contacts.csv country.csv film.csv
edlantigua@edlantigua-VirtualBox:~/Documents/Csv$ cat ~/lab8/honda1.csv
cat: /home/edlantigua/lab8/honda1.csv: No such file or directory
edlantigua@edlantigua-VirtualBox:~/Documents/Csv$ cat -/lab8/honda1.csv
cat: invalid option -- '/'
Try 'cat --help' for more information.
edlantigua@edlantigua-VirtualBox:~/Documents/Csv$ cat ~/lab8/honda1.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
edlantigua@edlantigua-VirtualBox:~/Documents/Csv$

```

see snap thro <snapname> for additional versions.

```
edlantigua@edlantigua-VirtualBox:~/lab8$ batcat honda3.csv
```

	File: honda3.csv
1	model,cylinder,hp

```
edlantigua@edlantigua-VirtualBox:~/lab8$
```

```

ttgntdm = /bin/false
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash" >
bash: syntax error near unexpected token `newline'
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash" >
bash: syntax error near unexpected token `newline'
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash"
root = /bin/bash
edlantigua = /bin/bash
edlantigua@edlantigua-VirtualBox:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash" >>
report_users.txt
edlantigua@edlantigua-VirtualBox:~/lab8$

```

## Challenge Questions