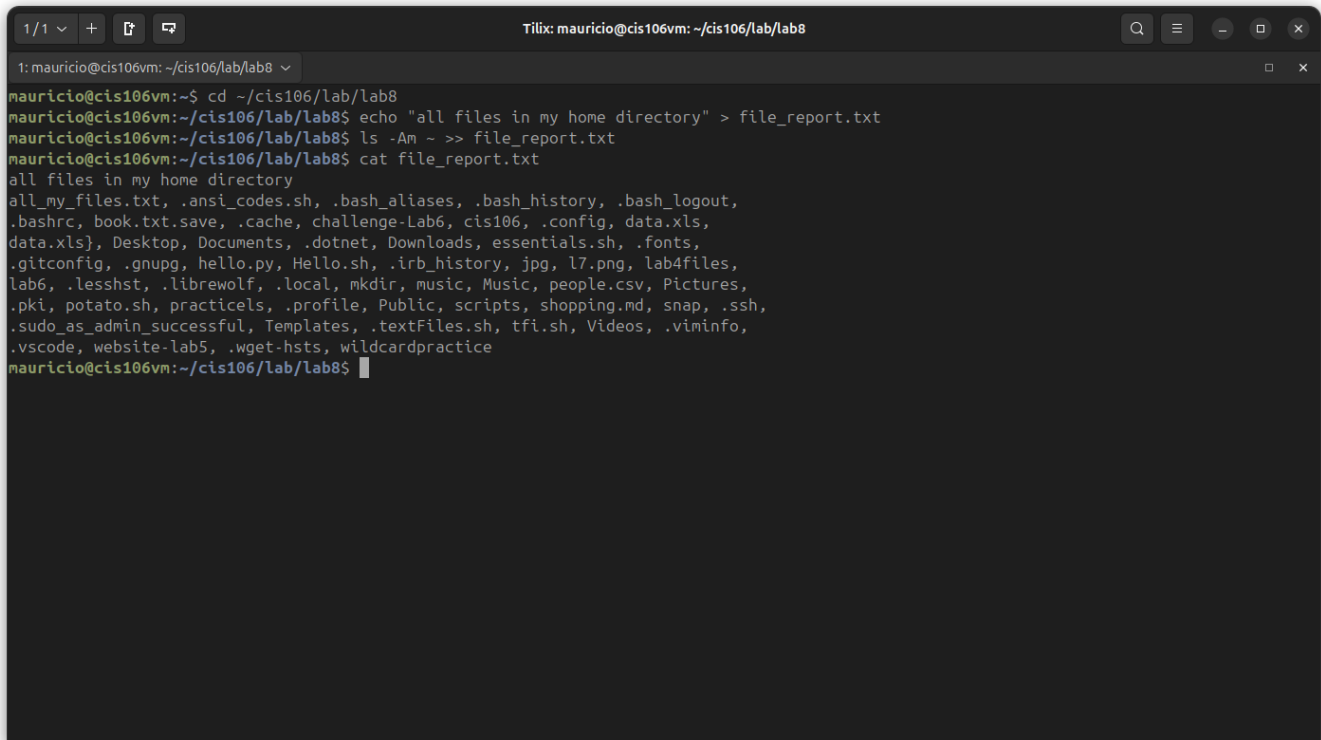


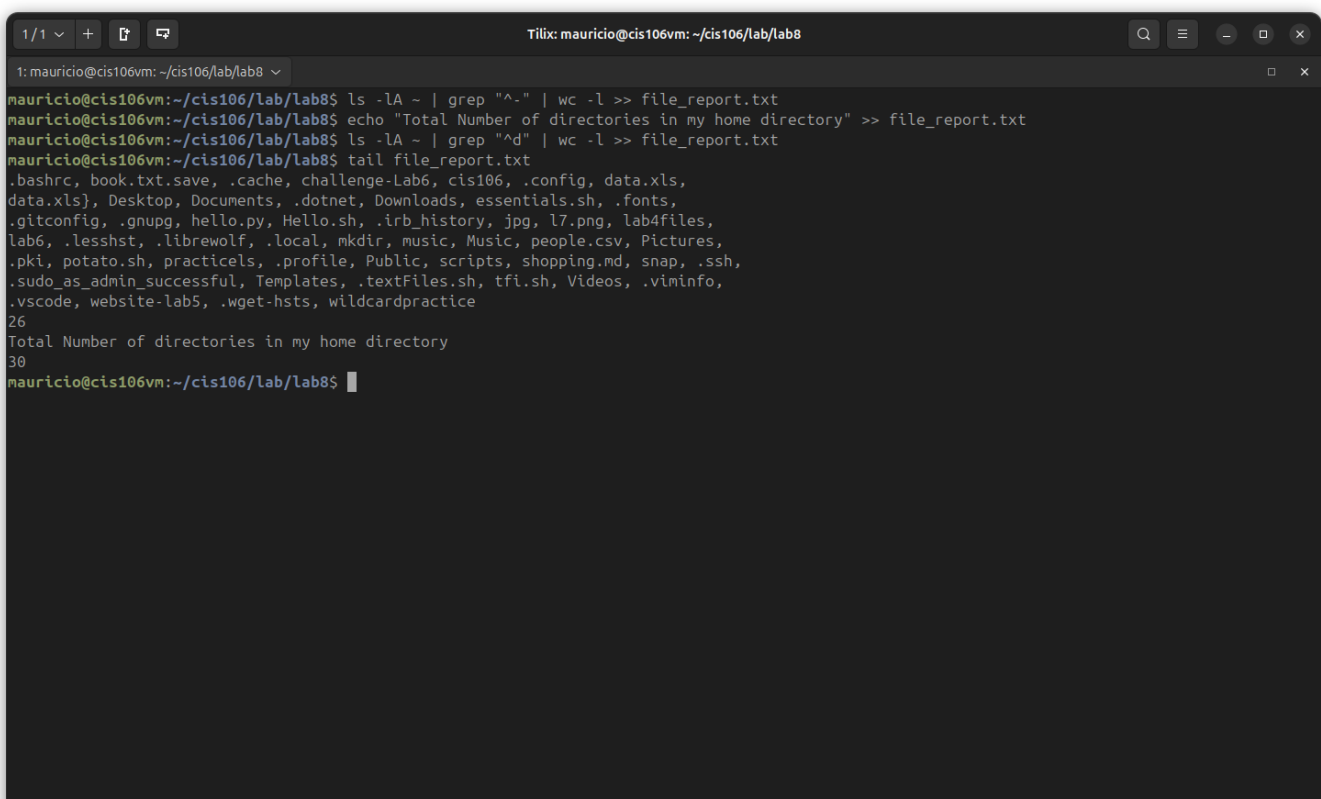
Lab 8 Submission

Question 1: Working with saving commands output to a file:

A terminal window titled 'Tilix: mauricio@cis106vm: ~/cis106/lab/lab8'. The user runs a series of commands: 'cd ~/cis106/lab/lab8', 'echo "all files in my home directory" > file_report.txt', 'ls -Am ~ >> file_report.txt', and 'cat file_report.txt'. The output of 'cat' shows a list of files and directories in the home directory, including .all_my_files.txt, .ansi_codes.sh, .bash_aliases, .bash_history, .bash_logout, .bashrc, book.txt.save, .cache, challenge-Lab6, cis106, .config, data.xls, data.xls}, Desktop, Documents, .dotnet, Downloads, essentials.sh, .fonts, .gitconfig, .gnupg, hello.py, Hello.sh, .irb_history, jpg, l7.png, lab4files, lab6, .lessht, .librewolf, .local, mkdir, music, Music, people.csv, Pictures, .pki, potato.sh, practicels, .profile, Public, scripts, shopping.md, snap, .ssh, .sudo_as_admin_successful, Templates, .textFiles.sh, tfl.sh, Videos, .viminfo, .vscode, website-lab5, .wget-hsts, wildcardpractice.

```
1: mauricio@cis106vm: ~/cis106/lab/lab8
mauricio@cis106vm:~$ cd ~/cis106/lab/lab8
mauricio@cis106vm:~/cis106/lab/lab8$ echo "all files in my home directory" > file_report.txt
mauricio@cis106vm:~/cis106/lab/lab8$ ls -Am ~ >> file_report.txt
mauricio@cis106vm:~/cis106/lab/lab8$ cat file_report.txt
all files in my home directory
.all_my_files.txt, .ansi_codes.sh, .bash_aliases, .bash_history, .bash_logout,
.bashrc, book.txt.save, .cache, challenge-Lab6, cis106, .config, data.xls,
data.xls}, Desktop, Documents, .dotnet, Downloads, essentials.sh, .fonts,
.gitconfig, .gnupg, hello.py, Hello.sh, .irb_history, jpg, l7.png, lab4files,
lab6, .lessht, .librewolf, .local, mkdir, music, Music, people.csv, Pictures,
.pki, potato.sh, practicels, .profile, Public, scripts, shopping.md, snap, .ssh,
.sudo_as_admin_successful, Templates, .textFiles.sh, tfl.sh, Videos, .viminfo,
.vscode, website-lab5, .wget-hsts, wildcardpractice
mauricio@cis106vm:~/cis106/lab/lab8$
```

Question 2: Working with the | (pipe)

A terminal window titled 'Tilix: mauricio@cis106vm: ~/cis106/lab/lab8'. The user runs a series of commands using pipes: 'ls -LA ~ | grep "^-" | wc -l >> file_report.txt', 'echo "Total Number of directories in my home directory" >> file_report.txt', 'ls -LA ~ | grep "^d" | wc -l >> file_report.txt', and 'tail file_report.txt'. The output of 'tail' shows the list of files and directories from the previous question, followed by the counts '26' and '30'.

```
1: mauricio@cis106vm: ~/cis106/lab/lab8
mauricio@cis106vm:~/cis106/lab/lab8$ ls -LA ~ | grep "^-" | wc -l >> file_report.txt
mauricio@cis106vm:~/cis106/lab/lab8$ echo "Total Number of directories in my home directory" >> file_report.txt
mauricio@cis106vm:~/cis106/lab/lab8$ ls -LA ~ | grep "^d" | wc -l >> file_report.txt
mauricio@cis106vm:~/cis106/lab/lab8$ tail file_report.txt
.bashrc, book.txt.save, .cache, challenge-Lab6, cis106, .config, data.xls,
data.xls}, Desktop, Documents, .dotnet, Downloads, essentials.sh, .fonts,
.gitconfig, .gnupg, hello.py, Hello.sh, .irb_history, jpg, l7.png, lab4files,
lab6, .lessht, .librewolf, .local, mkdir, music, Music, people.csv, Pictures,
.pki, potato.sh, practicels, .profile, Public, scripts, shopping.md, snap, .ssh,
.sudo_as_admin_successful, Templates, .textFiles.sh, tfl.sh, Videos, .viminfo,
.vscode, website-lab5, .wget-hsts, wildcardpractice
26
Total Number of directories in my home directory
30
mauricio@cis106vm:~/cis106/lab/lab8$
```

Question 3:

```
May 6 09:11
Tilix: mauricio@cis106vm: ~/cis106/lab/lab8

1: mauricio@cis106vm: ~/cis106/lab/lab8
mauricio@cis106vm:~/cis106/lab/lab8$ awk -F":" '{print $1,$NF}' /etc/passwd
root /bin/bash
daemon /usr/sbin/nologin
bin /usr/sbin/nologin
sys /usr/sbin/nologin
sync /bin/sync
games /usr/sbin/nologin
man /usr/sbin/nologin
lp /usr/sbin/nologin
mail /usr/sbin/nologin
news /usr/sbin/nologin
uucp /usr/sbin/nologin
proxy /usr/sbin/nologin
www-data /usr/sbin/nologin
backup /usr/sbin/nologin
list /usr/sbin/nologin
irc /usr/sbin/nologin
_apt /usr/sbin/nologin
nobody /usr/sbin/nologin
systemd-network /usr/sbin/nologin
systemd-timesync /usr/sbin/nologin
dhcpcd /bin/false
messagebus /usr/sbin/nologin
syslog /usr/sbin/nologin
systemd-resolve /usr/sbin/nologin
uuidd /usr/sbin/nologin
usbmux /usr/sbin/nologin
tss /bin/false
systemd-oom /usr/sbin/nologin
kernoops /usr/sbin/nologin
whoopsie /bin/false
dnsmasq /usr/sbin/nologin
avahi /usr/sbin/nologin
tcpdump /usr/sbin/nologin
sssd /usr/sbin/nologin
speech-dispatcher /bin/false
```

```
Tilix: mauricio@cis106vm: ~/cis106/lab/lab8

1: mauricio@cis106vm: ~/cis106/lab/lab8
mauricio@cis106vm:~/cis106/lab/lab8$ awk -F":" '{print $1,$NF,$6}' /etc/passwd
root /bin/bash /root
daemon /usr/sbin/nologin /usr/sbin
bin /usr/sbin/nologin /bin
sys /usr/sbin/nologin /dev
sync /bin/sync /bin
games /usr/sbin/nologin /usr/games
man /usr/sbin/nologin /var/cache/man
lp /usr/sbin/nologin /var/spool/lpd
mail /usr/sbin/nologin /var/mail
news /usr/sbin/nologin /var/spool/news
uucp /usr/sbin/nologin /var/spool/uucp
proxy /usr/sbin/nologin /bin
www-data /usr/sbin/nologin /var/www
backup /usr/sbin/nologin /var/backups
list /usr/sbin/nologin /var/list
irc /usr/sbin/nologin /run/ircd
_apt /usr/sbin/nologin /nonexistent
nobody /usr/sbin/nologin /nonexistent
systemd-network /usr/sbin/nologin /
systemd-timesync /usr/sbin/nologin /
dhcpcd /bin/false /usr/lib/dhcpcd
messagebus /usr/sbin/nologin /nonexistent
syslog /usr/sbin/nologin /nonexistent
systemd-resolve /usr/sbin/nologin /
uuidd /usr/sbin/nologin /run/uuidd
usbmux /usr/sbin/nologin /var/lib/usbmux
tss /bin/false /var/lib/tpm
systemd-oom /usr/sbin/nologin /
kernoops /usr/sbin/nologin /
whoopsie /bin/false /nonexistent
dnsmasq /usr/sbin/nologin /var/lib/misc
avahi /usr/sbin/nologin /run/avahi-daemon
tcpdump /usr/sbin/nologin /nonexistent
sssd /usr/sbin/nologin /var/lib/sss
speech-dispatcher /bin/false /run/speech-dispatcher
```

```

1/1 v + T T Tilix: mauricio@cis106vm: ~/cis106/lab/lab8
1: mauricio@cis106vm: ~/cis106/lab/lab8
mauricio@cis106vm:~/cis106/lab/lab8$ awk -F":" '{print "The user "$1,"logs with: "$NF,"and its home directory is: "$6}' /etc/passwd
The user root logs with: /bin/bash and its home directory is: /root
The user daemon logs with: /usr/sbin/nologin and its home directory is: /usr/sbin
The user bin logs with: /usr/sbin/nologin and its home directory is: /bin
The user sys logs with: /usr/sbin/nologin and its home directory is: /dev
The user sync logs with: /bin/sync and its home directory is: /bin
The user games logs with: /usr/sbin/nologin and its home directory is: /usr/games
The user man logs with: /usr/sbin/nologin and its home directory is: /var/cache/man
The user lp logs with: /usr/sbin/nologin and its home directory is: /var/spool/lpd
The user mail logs with: /usr/sbin/nologin and its home directory is: /var/mail
The user news logs with: /usr/sbin/nologin and its home directory is: /var/spool/news
The user uucp logs with: /usr/sbin/nologin and its home directory is: /var/spool/uucp
The user proxy logs with: /usr/sbin/nologin and its home directory is: /bin
The user www-data logs with: /usr/sbin/nologin and its home directory is: /var/www
The user backup logs with: /usr/sbin/nologin and its home directory is: /var/backups
The user list logs with: /usr/sbin/nologin and its home directory is: /var/list
The user irc logs with: /usr/sbin/nologin and its home directory is: /run/ircd
The user _apt logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user nobody logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user systemd-network logs with: /usr/sbin/nologin and its home directory is: /
The user systemd-timesync logs with: /usr/sbin/nologin and its home directory is: /
The user dhcpcd logs with: /bin/false and its home directory is: /usr/lib/dhcpcd
The user messagebus logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user syslog logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user systemd-resolve logs with: /usr/sbin/nologin and its home directory is: /
The user uidd logs with: /usr/sbin/nologin and its home directory is: /run/uidd
The user usbmux logs with: /usr/sbin/nologin and its home directory is: /var/lib/usbmux
The user tss logs with: /bin/false and its home directory is: /var/lib/tpm
The user systemd-oom logs with: /usr/sbin/nologin and its home directory is: /
The user kernoops logs with: /usr/sbin/nologin and its home directory is: /
The user whoopsie logs with: /bin/false and its home directory is: /nonexistent
The user dnsmasq logs with: /usr/sbin/nologin and its home directory is: /var/lib/misc
The user avahi logs with: /usr/sbin/nologin and its home directory is: /run/avahi-daemon
The user tcpdump logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user sssd logs with: /usr/sbin/nologin and its home directory is: /var/lib/sss
The user speech-dispatcher logs with: /bin/false and its home directory is: /run/speech-dispatcher

```

```

1/1 v + T T Tilix: mauricio@cis106vm: ~/cis106/lab/lab8
1: mauricio@cis106vm: ~/cis106/lab/lab8
The user systemd-network logs with: /usr/sbin/nologin and its home directory is: /
The user systemd-timesync logs with: /usr/sbin/nologin and its home directory is: /
The user dhcpcd logs with: /bin/false and its home directory is: /usr/lib/dhcpcd
The user messagebus logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user syslog logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user systemd-resolve logs with: /usr/sbin/nologin and its home directory is: /
The user uidd logs with: /usr/sbin/nologin and its home directory is: /run/uidd
The user usbmux logs with: /usr/sbin/nologin and its home directory is: /var/lib/usbmux
The user tss logs with: /bin/false and its home directory is: /var/lib/tpm
The user systemd-oom logs with: /usr/sbin/nologin and its home directory is: /
The user kernoops logs with: /usr/sbin/nologin and its home directory is: /
The user whoopsie logs with: /bin/false and its home directory is: /nonexistent
The user dnsmasq logs with: /usr/sbin/nologin and its home directory is: /var/lib/misc
The user avahi logs with: /usr/sbin/nologin and its home directory is: /run/avahi-daemon
The user tcpdump logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user sssd logs with: /usr/sbin/nologin and its home directory is: /var/lib/sss
The user speech-dispatcher logs with: /bin/false and its home directory is: /run/speech-dispatcher
The user cups-pk-helper logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user fwupd-refresh logs with: /usr/sbin/nologin and its home directory is: /var/lib/fwupd
The user saned logs with: /usr/sbin/nologin and its home directory is: /var/lib/saned
The user geoclue logs with: /usr/sbin/nologin and its home directory is: /var/lib/geoclue
The user cups-browsed logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user hplip logs with: /bin/false and its home directory is: /run/hplip
The user gnome-remote-desktop logs with: /usr/sbin/nologin and its home directory is: /var/lib/gnome-remote-desktop
The user polkitd logs with: /usr/sbin/nologin and its home directory is: /
The user rtkit logs with: /usr/sbin/nologin and its home directory is: /proc
The user colord logs with: /usr/sbin/nologin and its home directory is: /var/lib/colord
The user gnome-initial-setup logs with: /bin/false and its home directory is: /run/gnome-initial-setup/
The user gdm logs with: /bin/false and its home directory is: /var/lib/gdm3
The user nm-openvpn logs with: /usr/sbin/nologin and its home directory is: /var/lib/openvpn/chroot
The user mauricio logs with: /bin/bash and its home directory is: /home/mauricio
The user _flatpak logs with: /usr/sbin/nologin and its home directory is: /nonexistent
The user snapd-range-524288-root logs with: /usr/bin/false and its home directory is: /nonexistent
The user snap_daemon logs with: /usr/bin/false and its home directory is: /nonexistent
mauricio@cis106vm:~/cis106/lab/lab8$

```

Question 4:

```
1/1 + [Icons] Tilix: mauricio@cis106vm: ~/cis106/lab/lab8
1: mauricio@cis106vm: ~/cis106/lab/lab8
mauricio@cis106vm:~/cis106/lab/lab8$ batcat honda3.csv
File: honda3.csv
1 model,cylinder,hp
2 Honda_Civic, 4, 97.00
3 Honda_Civic CVCC, 4, 53.00
4 Honda_Civic, 4, 53.00
5 Honda_Accord CVCC, 4, 68.00
6 Honda_Civic CVCC, 4, 60.00
7 Honda_Accord LX, 4, 68.00
8 Honda_Civic 1500 gl, 4, 67.00
9 Honda_Accord, 4, 72.00
10 Honda_Civic 1300, 4, 60.00
11 Honda_Prelude, 4, 75.00
12 Honda_Accord, 4, 75.00
13 Honda_Civic, 4, 67.00
14 Honda_Civic (auto), 4, 67.00
mauricio@cis106vm:~/cis106/lab/lab8$
```

Challenge Question:

```
mauricio@cis106vm:~$ cd cis106/lab/lab8/broken/
mauricio@cis106vm:~/cis106/lab/lab8/broken$ ls
contact.html  index.html  projects.html  scripts.js
favicon.ico   profile.png  resume.html    styles.css
mauricio@cis106vm:~/cis106/lab/lab8/broken$ grep "profile" index.html
        <!-- Header profile picture-->
        <div class="profile bg-gradient-primary-to-secondary">
            
mauricio@cis106vm:~/cis106/lab/lab8/broken$ grep "projects.html"
> ^C
mauricio@cis106vm:~/cis106/lab/lab8/broken$ grep "projects.html" index.html
        <li class="nav-item"><a class="nav-link" href="projects.html">Proje
cts</a></li>
        <a class="btn btn-outline-dark btn-lg px-5 py-3 fs-6 fw-bol
der" href="projects.html">Projects</a>
mauricio@cis106vm:~/cis106/lab/lab8/broken$ grep "styles.css" index.html
    <link href="css/styles.css" rel="stylesheet" />
mauricio@cis106vm:~/cis106/lab/lab8/broken$ mkdir css
mauricio@cis106vm:~/cis106/lab/lab8/broken$ mv *.css /css
mv: cannot move 'styles.css' to '/css': Permission denied
mauricio@cis106vm:~/cis106/lab/lab8/broken$ mv *.css css
mauricio@cis106vm:~/cis106/lab/lab8/broken$ ls
contact.html  favicon.ico  profile.png    resume.html
css          index.html  projects.html  scripts.js
mauricio@cis106vm:~/cis106/lab/lab8/broken$ grep "profile.png" index.html
        
mauricio@cis106vm:~/cis106/lab/lab8/broken$ grep "assets" index.html
    <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />
        
mauricio@cis106vm:~/cis106/lab/lab8/broken$ mkdir assets
mauricio@cis106vm:~/cis106/lab/lab8/broken$ mv favicon.ico profile.png assets
mauricio@cis106vm:~/cis106/lab/lab8/broken$
```

```
mauricio@cis106vm:~/cis106/lab/lab8/broken$ ls
assets  contact.html  css  index.html  projects.html  resume.html  scripts.js
mauricio@cis106vm:~/cis106/lab/lab8/broken$ grep "scripts.js" index.html
<script src="js/scripts.js"></script>
mauricio@cis106vm:~/cis106/lab/lab8/broken$ mkdir js
mauricio@cis106vm:~/cis106/lab/lab8/broken$ mv *.js js
mauricio@cis106vm:~/cis106/lab/lab8/broken$ firefox index.html
mauricio@cis106vm:~/cis106/lab/lab8/broken$
```

Personal - Start Bootstrap

May 7 19:29

file:///home/mauricio/cis106/lab/lab8/broken/index.html

Start Bootstrap

Home Resume Projects Contact

DESIGN · DEVELOPMENT · MARKETING

I can help your business to

Get online and grow fast

Resume

Projects

