

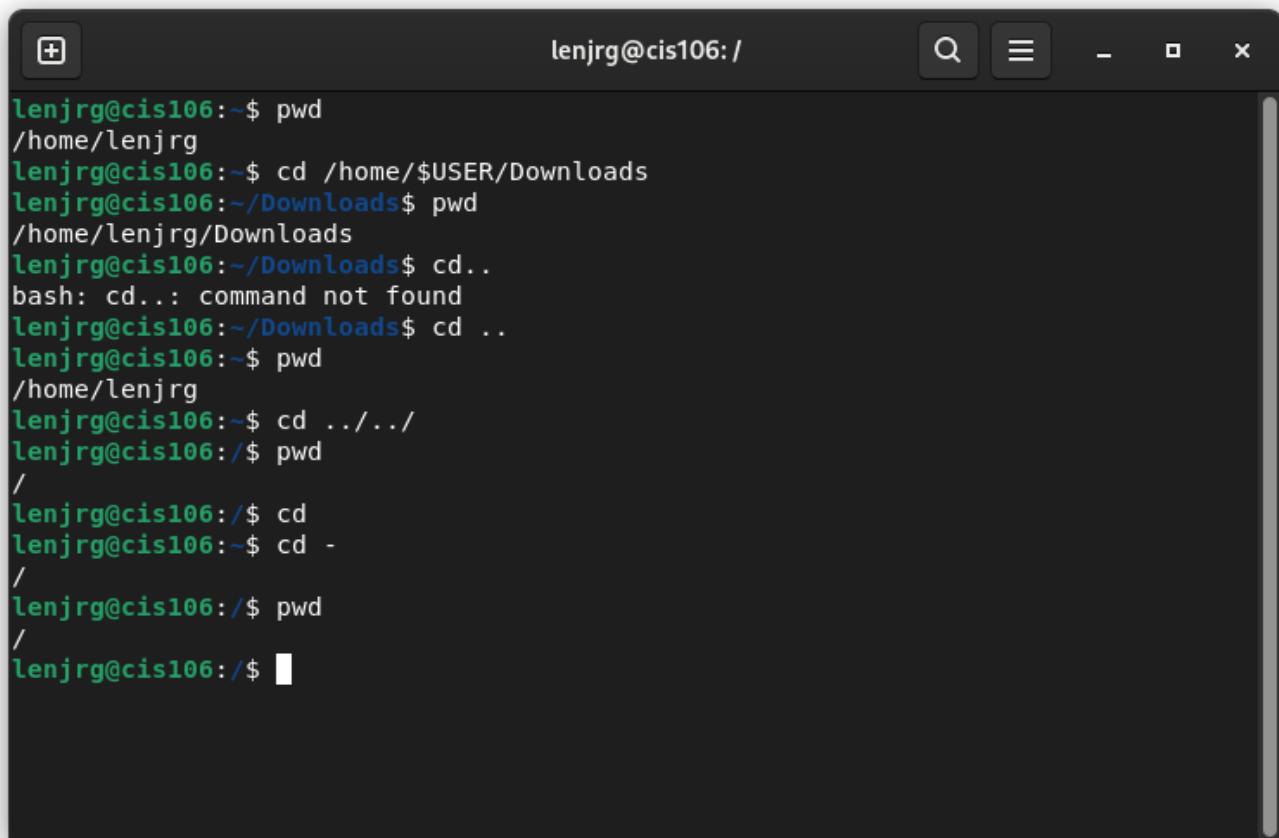
# Week Report 5

## Completed Work for Week 5

### [Lab5 Notes4](#)

#### Practice 1: The Linux System

1.



The screenshot shows a terminal window with a dark background and light-colored text. The title bar reads "lenjrg@cis106:/". The terminal contains the following command-line session:

```
lenjrg@cis106:~$ pwd
/home/lenjrg
lenjrg@cis106:~$ cd /home/$USER/Downloads
lenjrg@cis106:~/Downloads$ pwd
/home/lenjrg/Downloads
lenjrg@cis106:~/Downloads$ cd ..
bash: cd..: command not found
lenjrg@cis106:~/Downloads$ cd ..
lenjrg@cis106:~$ pwd
/home/lenjrg
lenjrg@cis106:~$ cd ../../..
lenjrg@cis106:/$ pwd
/
lenjrg@cis106:/$ cd
lenjrg@cis106:~$ cd -
/
lenjrg@cis106:/$ pwd
/
lenjrg@cis106:/$ █
```

2.

A terminal window titled "lenjrg@cis106: ~/Desktop/practicels". The terminal displays a list of files in the current directory:

```
total 2.9M
-rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 44K Jan 31 2020 tux-penguin.gif
-rw-rw-r-- 1 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
```

The user then runs the command `ls -mr`, which lists the files again, but with the output colored according to their file type (e.g., purple for MP4, green for PDF). The user then runs `ls -1X`, which lists the files again, but with the output colored according to their file type.

```
lenjrg@cis106:~/Desktop/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
lenjrg@cis106:~/Desktop/practicels$ ls -1X
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
lenjrg@cis106:~/Desktop/practicels$
```

3.

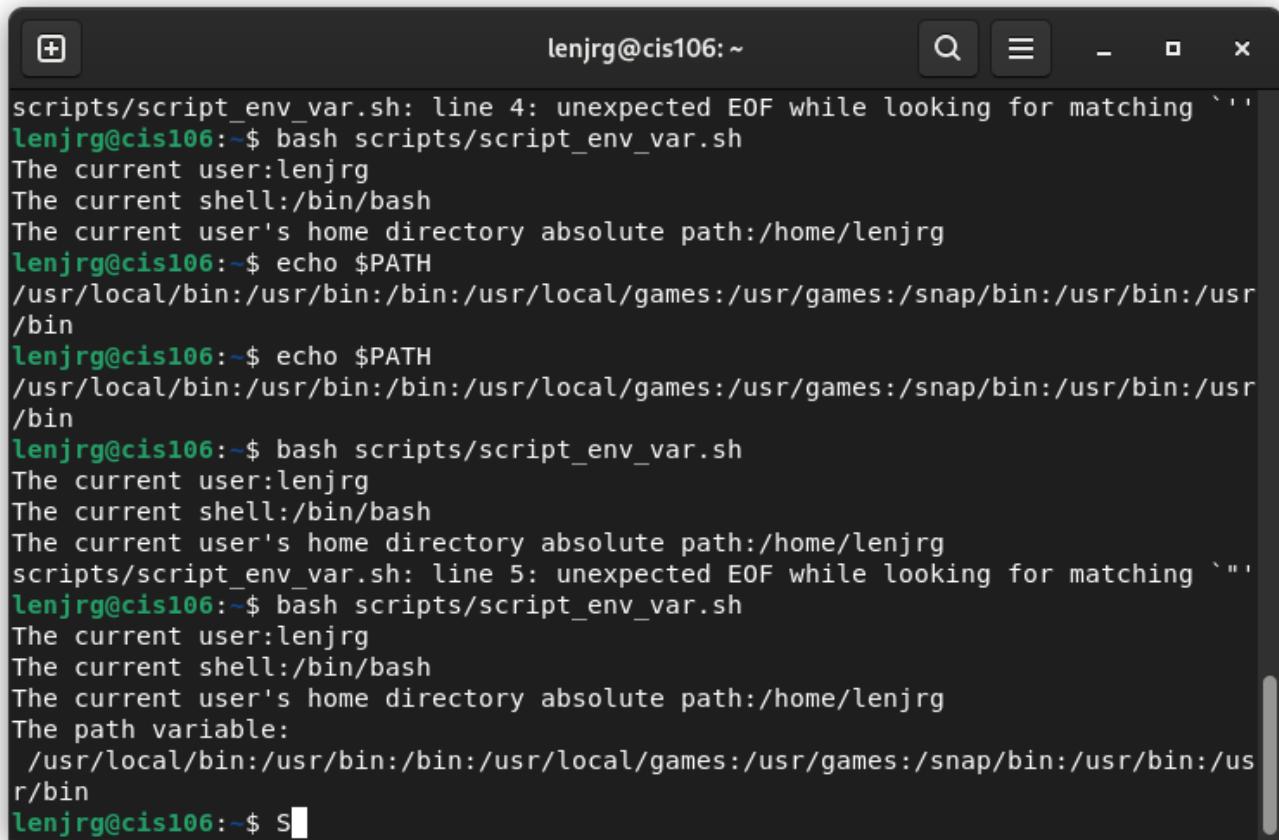
A terminal window titled "lenjrg@cis106: ~". The terminal displays a list of files in the current directory:

```
/home/lenjrg/cis106/final_project/deliverable1:
deliverable1.md
```

The user then runs the command `ls -lh ~`, which lists the files in the home directory. The output shows many files and directories, including "wk5path.png" and "scripts".

```
/home/lenjrg/cis106/cheats:
wk5path.png 'Screenshot from 2025-10-28 22-21-41.png'
lenjrg@cis106:~$ ls -lh ~
total 84K
-rw-r--r-- 1 lenjrg lenjrg 774 Oct 14 11:23 bastet
drwxrwxr-x 8 lenjrg lenjrg 4.0K Oct 27 12:03 cis106
drwxr-xr-x 3 lenjrg lenjrg 4.0K Nov  1 19:52 Desktop
drwxr-xr-x 3 lenjrg lenjrg 4.0K Oct 30 18:36 Documents
drwxr-xr-x 2 lenjrg lenjrg 4.0K Nov  1 19:50 Downloads
-rwxrwxr-x 1 lenjrg lenjrg 7.6K Sep 10 10:41 essentials.sh
drwxr-xr-x 2 lenjrg lenjrg 4.0K Sep 12 08:03 Music
drwxr-xr-x 3 lenjrg lenjrg 4.0K Oct  6 17:21 Pictures
drwxr-xr-x 2 lenjrg lenjrg 4.0K Sep 12 08:03 Public
-rw-r--r-- 1 lenjrg lenjrg 17K Oct 20 11:28 q
drwxrwxr-x 2 lenjrg lenjrg 4.0K Oct 29 19:53 scripts
drwx----- 4 lenjrg lenjrg 4.0K Oct 11 08:44 snap
drwxrwxr-x 4 lenjrg lenjrg 4.0K Oct 30 17:59 snapshots
drwxr-xr-x 2 lenjrg lenjrg 4.0K Sep 12 08:03 Templates
drwxr-xr-x 2 lenjrg lenjrg 4.0K Sep 12 08:03 Videos
-rwxrwxr-x 1 lenjrg lenjrg 2.5K Sep 10 10:41 vscode.sh
lenjrg@cis106:~$ ls -lgG -full-time ~
```

1.

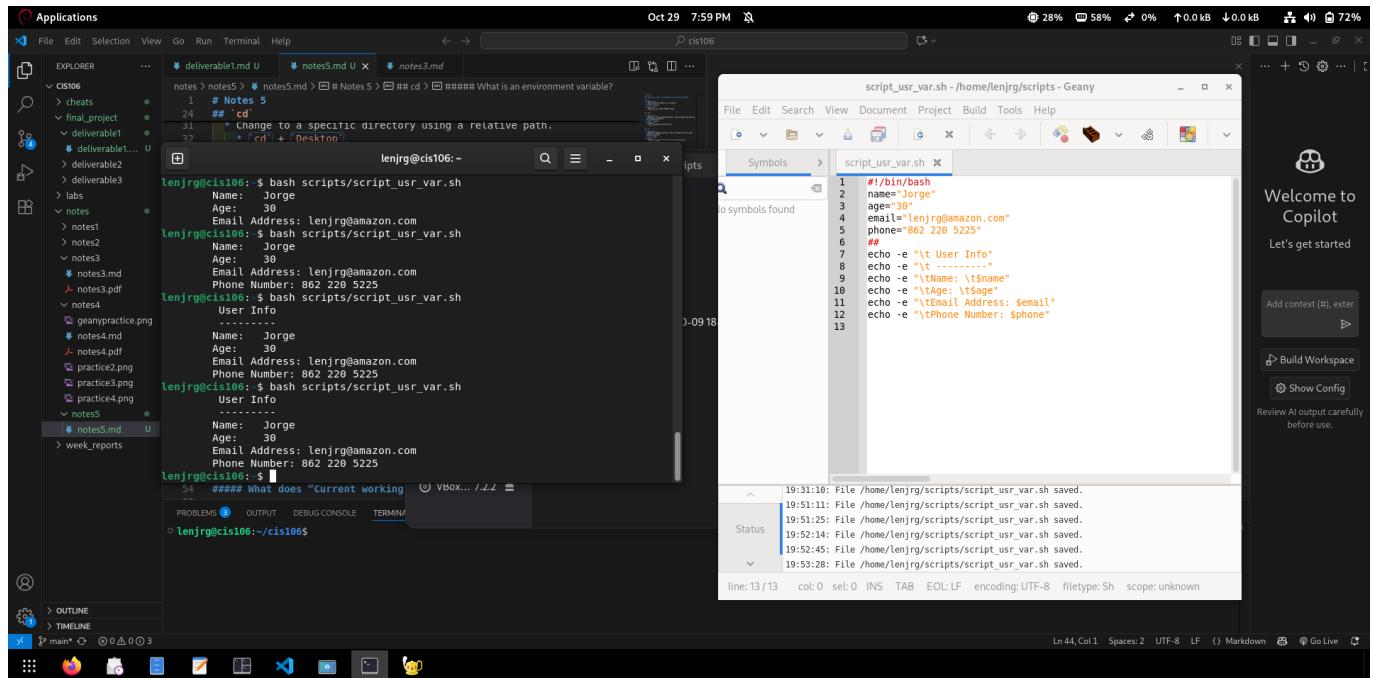


```

scripts/script_env_var.sh: line 4: unexpected EOF while looking for matching `'''
lenjrg@cis106:~$ bash scripts/script_env_var.sh
The current user:lenjrg
The current shell:/bin/bash
The current user's home directory absolute path:/home/lenjrg
lenjrg@cis106:~$ echo $PATH
/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/snap/bin:/usr/bin:/usr
/bin
lenjrg@cis106:~$ echo $PATH
/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/snap/bin:/usr/bin:/usr
/bin
lenjrg@cis106:~$ bash scripts/script_env_var.sh
The current user:lenjrg
The current shell:/bin/bash
The current user's home directory absolute path:/home/lenjrg
scripts/script_env_var.sh: line 5: unexpected EOF while looking for matching `''''
lenjrg@cis106:~$ bash scripts/script_env_var.sh
The current user:lenjrg
The current shell:/bin/bash
The current user's home directory absolute path:/home/lenjrg
The path variable:
/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/snap/bin:/usr/bin:/us
r/bin
lenjrg@cis106:~$ S

```

2.



The screenshot shows a desktop environment with the following components:

- File Explorer:** Shows a tree view of files and folders, including 'CIS106' and 'notes' subfolders containing various documents and images.
- Terminal:** Displays multiple sessions of a terminal window. One session shows an EOF error, while others show the execution of a script that prints user information (Name: Jorge, Age: 30, etc.).
- Code Editor:** A Geany editor window titled 'script\_usr\_var.sh' is open, showing the following script content:
 

```

#!/bin/bash
name="Jorge"
age="30"
email="lenjrg@amazon.com"
phone="862 220 5225"
##
echo -e "\t User Info"
echo -e "\t -----"
echo -e "\t Name: $name"
echo -e "\t Age: $age"
echo -e "\t Email Address: $email"
echo -e "\t Phone Number: $phone"
      
```
- Status Bar:** Shows system status including battery level (28%), network (58%), and disk usage (0%).
- Bottom Bar:** Shows application icons for browser, file manager, terminal, and other utilities.