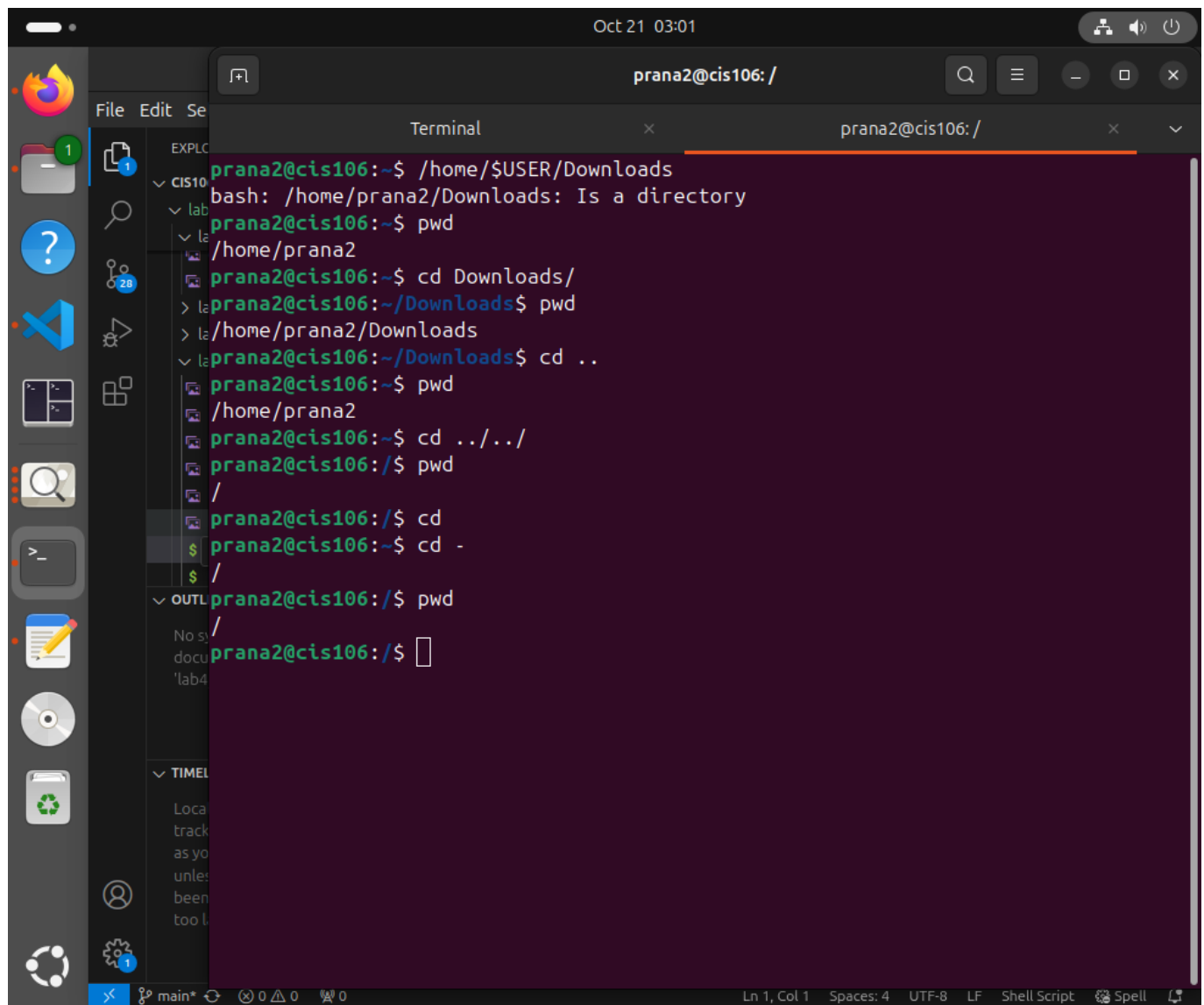


WEEK REPORT 4

Practice 1



The screenshot shows a terminal window titled "prana2@cis106: /" with a dark purple background. The terminal displays a series of commands and their outputs, demonstrating directory navigation. The left sidebar of the desktop environment is visible, showing icons for Firefox, Files, and other applications. The terminal output is as follows:

```
prana2@cis106:~$ /home/$USER/Downloads
bash: /home/prana2/Downloads: Is a directory
prana2@cis106:~$ pwd
/home/prana2
prana2@cis106:~$ cd Downloads/
prana2@cis106:~/Downloads$ pwd
/home/prana2/Downloads
prana2@cis106:~/Downloads$ cd ..
prana2@cis106:~$ pwd
/home/prana2
prana2@cis106:~$ cd ../../
prana2@cis106:/$ pwd
/
prana2@cis106:/$ cd
prana2@cis106:~$ cd -
/
prana2@cis106:/$ pwd
/
prana2@cis106:/$
```

The status bar at the bottom of the terminal window indicates "Ln 1, Col 1", "Spaces: 4", "UTF-8", "LF", "Shell Script", and "Spell".

Practice 2


```
Oct 22 23:09
Tilix: prana2@cis106: ~/practicels

1: prana2@cis106: ~/practicels
prana2@cis106:~$ wget https://cis106.com/assets/practicels.tar.xz
--2024-10-22 23:05:37-- https://cis106.com/assets/practicels.tar.xz
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2229212 (2.1M) [application/x-xz]
Saving to: 'practicels.tar.xz'

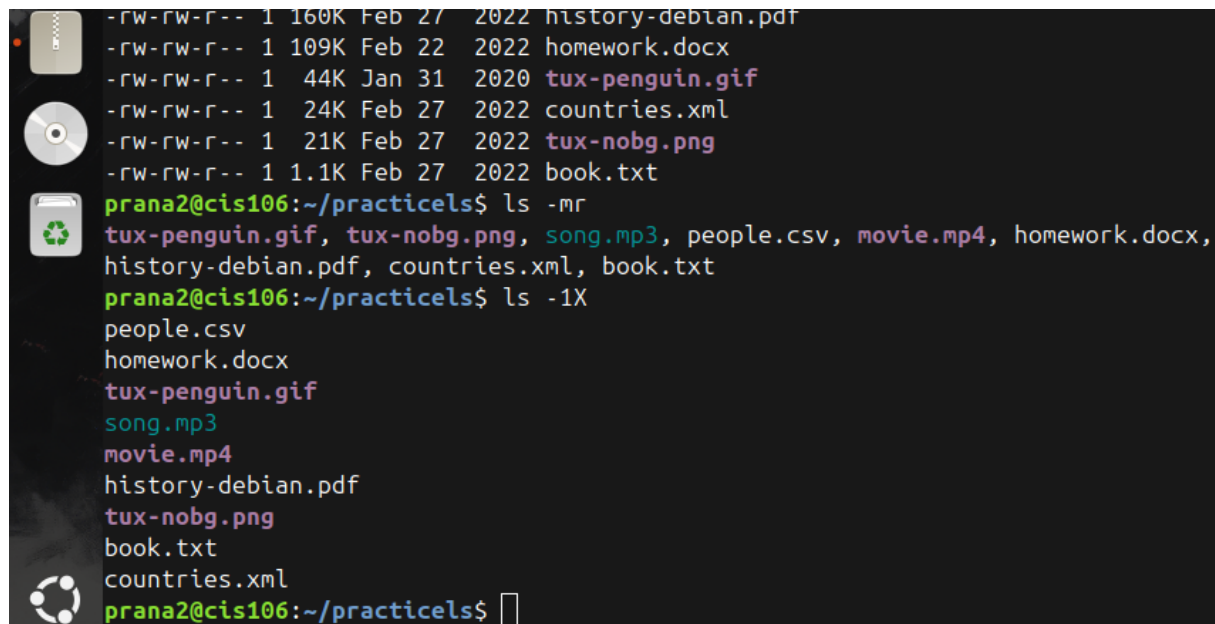
practicels.tar.xz  100%[=====] 2.12M 1.54MB/s in 1.4s

2024-10-22 23:05:39 (1.54 MB/s) - 'practicels.tar.xz' saved [2229212/2229212]

prana2@cis106:~$ tar Jxf practicels.tar.xz
prana2@cis106:~$ cd practicels/
prana2@cis106:~/practicels$ ls
book.txt      history-debian.pdf  movie.mp4  song.mp3  tux-penguin.gif
countries.xml homework.docx       people.csv tux-nobg.png
prana2@cis106:~/practicels$ ls -a
.      countries.xml  movie.mp4  tux-nobg.png
..     history-debian.pdf people.csv tux-penguin.gif
book.txt homework.docx  song.mp3
prana2@cis106:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 prana2 prana2 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 prana2 prana2 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 prana2 prana2 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 prana2 prana2 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 prana2 prana2 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 prana2 prana2 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 prana2 prana2 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 prana2 prana2 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 prana2 prana2 44299 Jan 31 2020 tux-penguin.gif
prana2@cis106:~/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 prana2 prana2 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 prana2 prana2 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 prana2 prana2 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 prana2 prana2 109K Feb 22 2022 homework.docx
```

```
Oct 22 23:09
Tilix: prana2@cis106: ~/practicels

1: prana2@cis106: ~/practicels
-rw-rw-r-- 1 prana2 prana2 44K Jan 31 2020 tux-penguin.gif
prana2@cis106:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 prana2 prana2 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 prana2 prana2 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 prana2 prana2 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 prana2 prana2 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 prana2 prana2 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 prana2 prana2 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 prana2 prana2 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 prana2 prana2 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 prana2 prana2 44K Jan 31 2020 tux-penguin.gif
prana2@cis106:~/practicels$ ls -lhgS
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
```

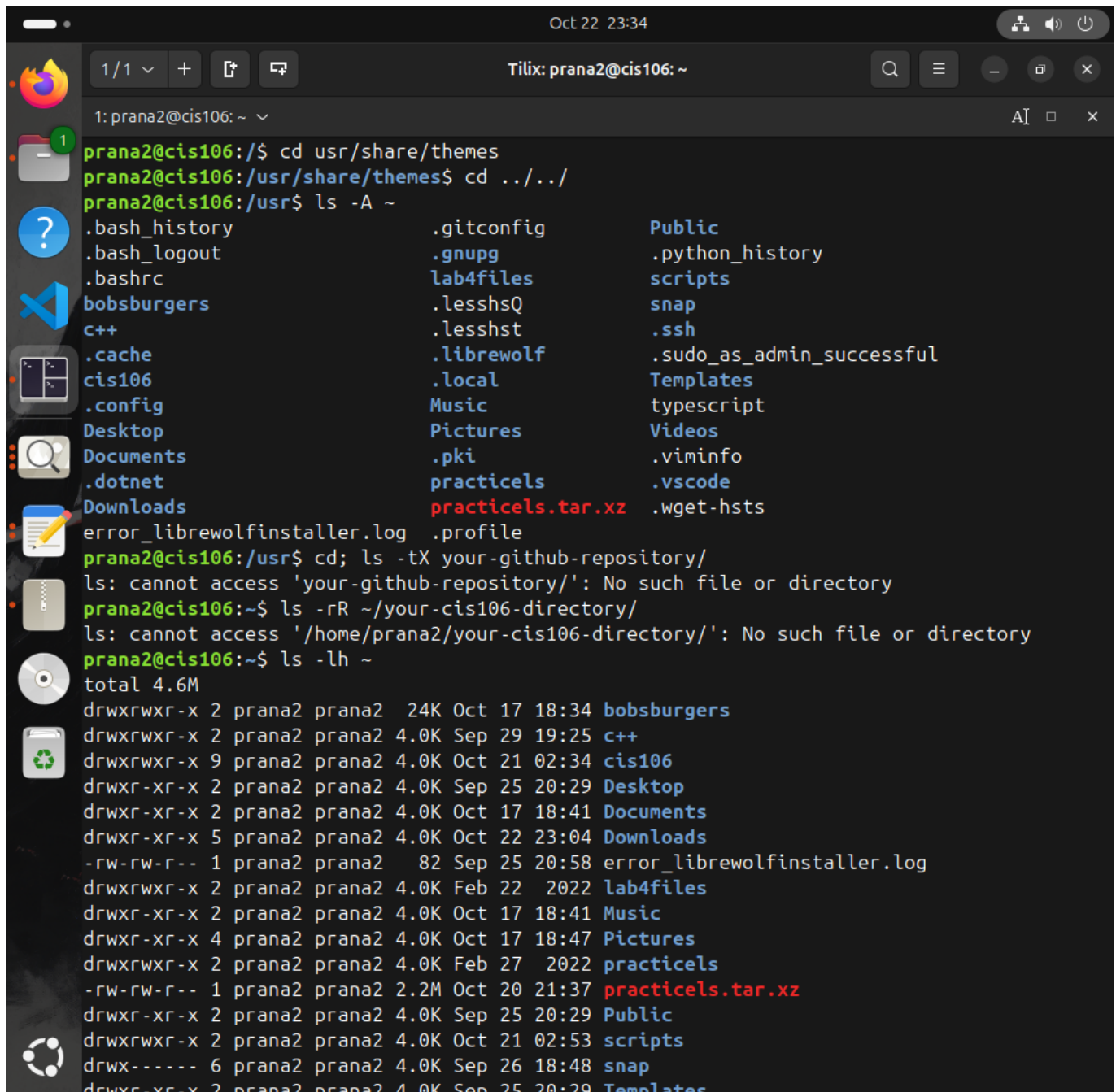


A terminal window with a dark background and light-colored text. On the left side, there are four icons: a folder, a CD, a trash can, and a circular arrow. The terminal output shows a series of file listings and commands. The first listing shows files with permissions, sizes, dates, and names. The second listing is the result of a command, showing files with their permissions and names. The third listing is the result of another command, showing files with their permissions and names. The terminal ends with a prompt and a cursor.

```
-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

prana2@cis106:~/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
prana2@cis106:~/practicels$ ls -lX
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
prana2@cis106:~/practicels$
```

challenge Practice



```

Oct 22 23:34
Tilix: prana2@cis106: ~
1: prana2@cis106: ~
prana2@cis106:/$ cd usr/share/themes
prana2@cis106:/usr/share/themes$ cd ../../
prana2@cis106:/usr$ ls -A ~
.bash_history      .gitconfig        Public
.bash_logout      .gnupg            .python_history
.bashrc            lab4files         scripts
bobsburgers       .lesshtp         snap
c++                .lessht           .ssh
.cache             .librewolf        .sudo_as_admin_successful
cis106             .local            Templates
.config            Music              typescript
Desktop            Pictures           Videos
Documents          .pki              .viminfo
.dotnet            practicels         .vscode
Downloads          practicels.tar.xz .wget-hsts
error_librewolfinstaller.log .profile
prana2@cis106:/usr$ cd; ls -tX your-github-repository/
ls: cannot access 'your-github-repository/': No such file or directory
prana2@cis106:~$ ls -rR ~/your-cis106-directory/
ls: cannot access '/home/prana2/your-cis106-directory/': No such file or directory
prana2@cis106:~$ ls -lh ~
total 4.6M
drwxrwxr-x 2 prana2 prana2 24K Oct 17 18:34 bobsburgers
drwxrwxr-x 2 prana2 prana2 4.0K Sep 29 19:25 c++
drwxrwxr-x 9 prana2 prana2 4.0K Oct 21 02:34 cis106
drwxr-xr-x 2 prana2 prana2 4.0K Sep 25 20:29 Desktop
drwxr-xr-x 2 prana2 prana2 4.0K Oct 17 18:41 Documents
drwxr-xr-x 5 prana2 prana2 4.0K Oct 22 23:04 Downloads
-rw-rw-r-- 1 prana2 prana2 82 Sep 25 20:58 error_librewolfinstaller.log
drwxrwxr-x 2 prana2 prana2 4.0K Feb 22 2022 lab4files
drwxr-xr-x 2 prana2 prana2 4.0K Oct 17 18:41 Music
drwxr-xr-x 4 prana2 prana2 4.0K Oct 17 18:47 Pictures
drwxrwxr-x 2 prana2 prana2 4.0K Feb 27 2022 practicels
-rw-rw-r-- 1 prana2 prana2 2.2M Oct 20 21:37 practicels.tar.xz
drwxr-xr-x 2 prana2 prana2 4.0K Sep 25 20:29 Public
drwxrwxr-x 2 prana2 prana2 4.0K Oct 21 02:53 scripts
drwx----- 6 prana2 prana2 4.0K Sep 26 18:48 snap
drwxr-xr-x 2 prana2 prana2 4.0K Sep 25 20:29 Templates

```

Practice 3

```
1 #!/bin/bash
2 echo "The current user: $USER "
3 echo "the current shell: $SHELL "
4 echo "the current users home directory absolute path:$HOME "
5 echo -e "The path var: \n $PATH "
```

```
1: prana2@cis106: ~ ▾
prana2@cis106:~$ bash scripts
scripts: scripts: Is a directory
prana2@cis106:~$ bash scripts/shell_variable_wr4.sh
The current user: prana2
the current shell: /bin/bash
the current users home directory absolute path:/home/prana2
The path var:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/snap/bin
prana2@cis106:~$
```