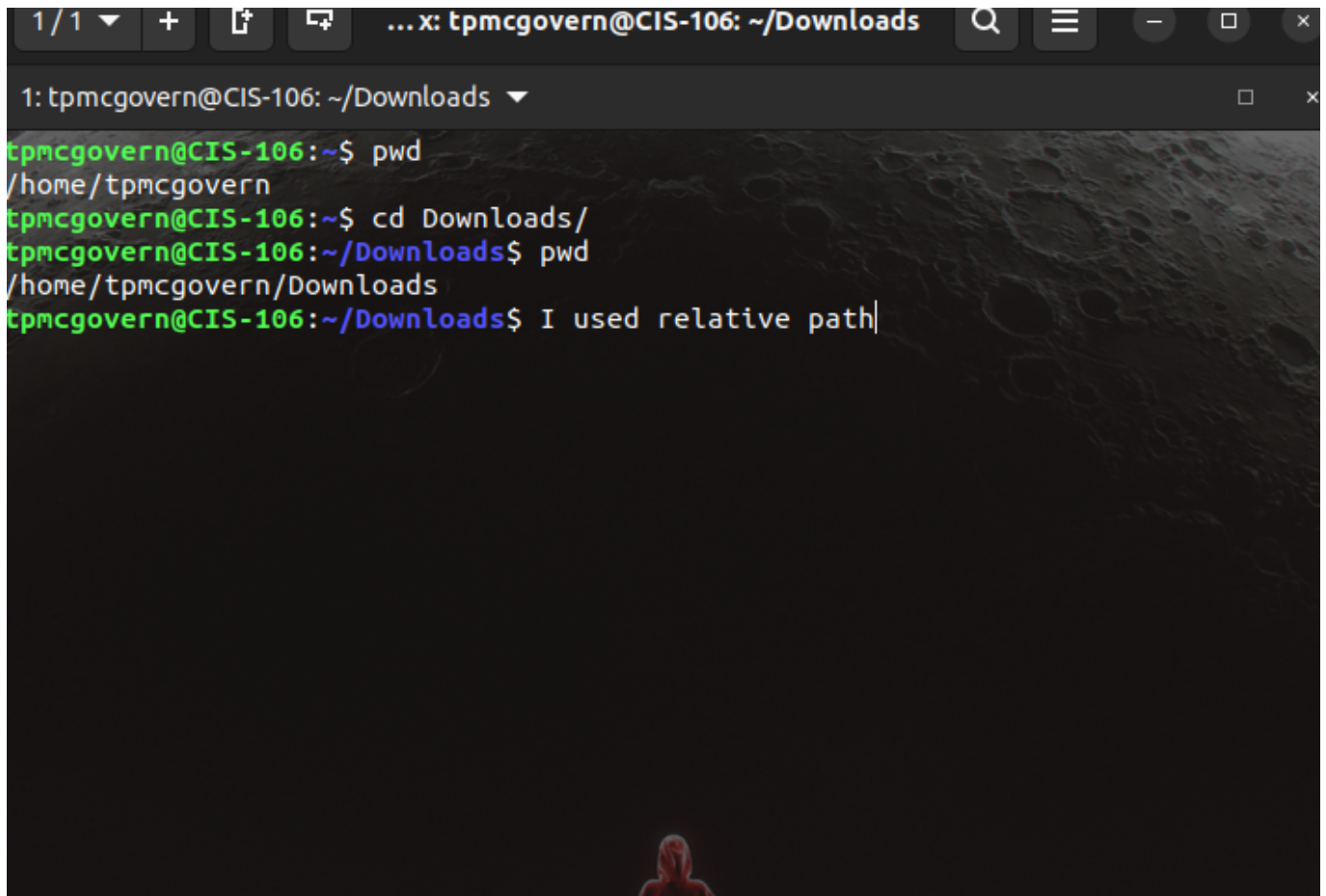


Week Report 4

Practice 1

A terminal window with a dark background and a lunar surface texture. The window title is "...x: tpmcgovern@CIS-106: ~/Downloads". The terminal shows the following commands and output:

```
1 / 1 + ...x: tpmcgovern@CIS-106: ~/Downloads 1: tpmcgovern@CIS-106: ~/Downloads tpmcgovern@CIS-106:~$ pwd /home/tpmcgovern tpmcgovern@CIS-106:~$ cd Downloads/ tpmcgovern@CIS-106:~/Downloads$ pwd /home/tpmcgovern/Downloads tpmcgovern@CIS-106:~/Downloads$ I used relative path|
```

Practice 2

```
1/1 + Tmux: tpmcgovern@CIS-106: ~/practicels 1: tpmcgovern@CIS-106: ~/practicels tpmcgovern@CIS-106:~/practicels$ ls book.txt history-debian.pdf movie.mp4 song.mp3 tux-penguin.gif countries.xml homework.docx people.csv tux-nobg.png tpmcgovern@CIS-106:~/practicels$ ls -a . countries.xml movie.mp4 tux-nobg.png .. history-debian.pdf people.csv tux-penguin.gif book.txt homework.docx song.mp3 tpmcgovern@CIS-106:~/practicels$ ls -l total 2932 -rw-rw-r-- 1 tpmcgovern tpmcgovern 1043 Feb 27 2022 book.txt -rw-rw-r-- 1 tpmcgovern tpmcgovern 23972 Feb 27 2022 countries.xml -rw-rw-r-- 1 tpmcgovern tpmcgovern 163057 Feb 27 2022 history-debian.pdf -rw-rw-r-- 1 tpmcgovern tpmcgovern 111303 Feb 22 2022 homework.docx -rw-rw-r-- 1 tpmcgovern tpmcgovern 1570024 Feb 27 2022 movie.mp4 -rw-rw-r-- 1 tpmcgovern tpmcgovern 284042 Feb 27 2022 people.csv -rw-rw-r-- 1 tpmcgovern tpmcgovern 764176 Feb 27 2022 song.mp3 -rw-rw-r-- 1 tpmcgovern tpmcgovern 21314 Feb 27 2022 tux-nobg.png -rw-rw-r-- 1 tpmcgovern tpmcgovern 44299 Jan 31 2020 tux-penguin.gif tpmcgovern@CIS-106:~/practicels$ |
```

```
1/1 + Tmux: tpmcgovern@CIS-106: ~/practicels 1: tpmcgovern@CIS-106: ~/practicels tpmcgovern@CIS-106:~/practicels$ ls -lh total 2.9M -rw-rw-r-- 1 tpmcgovern tpmcgovern 1.1K Feb 27 2022 book.txt -rw-rw-r-- 1 tpmcgovern tpmcgovern 24K Feb 27 2022 countries.xml -rw-rw-r-- 1 tpmcgovern tpmcgovern 160K Feb 27 2022 history-debian.pdf -rw-rw-r-- 1 tpmcgovern tpmcgovern 109K Feb 22 2022 homework.docx -rw-rw-r-- 1 tpmcgovern tpmcgovern 1.5M Feb 27 2022 movie.mp4 -rw-rw-r-- 1 tpmcgovern tpmcgovern 278K Feb 27 2022 people.csv -rw-rw-r-- 1 tpmcgovern tpmcgovern 747K Feb 27 2022 song.mp3 -rw-rw-r-- 1 tpmcgovern tpmcgovern 21K Feb 27 2022 tux-nobg.png -rw-rw-r-- 1 tpmcgovern tpmcgovern 44K Jan 31 2020 tux-penguin.gif tpmcgovern@CIS-106:~/practicels$ ls -lht total 2.9M -rw-rw-r-- 1 tpmcgovern tpmcgovern 24K Feb 27 2022 countries.xml -rw-rw-r-- 1 tpmcgovern tpmcgovern 278K Feb 27 2022 people.csv -rw-rw-r-- 1 tpmcgovern tpmcgovern 747K Feb 27 2022 song.mp3 -rw-rw-r-- 1 tpmcgovern tpmcgovern 1.5M Feb 27 2022 movie.mp4 -rw-rw-r-- 1 tpmcgovern tpmcgovern 160K Feb 27 2022 history-debian.pdf -rw-rw-r-- 1 tpmcgovern tpmcgovern 21K Feb 27 2022 tux-nobg.png -rw-rw-r-- 1 tpmcgovern tpmcgovern 1.1K Feb 27 2022 book.txt -rw-rw-r-- 1 tpmcgovern tpmcgovern 109K Feb 22 2022 homework.docx -rw-rw-r-- 1 tpmcgovern tpmcgovern 44K Jan 31 2020 tux-penguin.gif tpmcgovern@CIS-106:~/practicels$ |
```



```
1/1 ▾ + [ ] [ ] Tilix: tpmcgovern@CIS-106: ~/practicels 🔍 ≡ - □ ×

1: tpmcgovern@CIS-106: ~/practicels ▾ □ ×

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
tpmcgovern@CIS-106:~/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
tpmcgovern@CIS-106:~/practicels$ ls -lX
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
tpmcgovern@CIS-106:~/practicels$ |
```

Practice 3

```
1/1 ▾ + [ ] [ ] Tilix: tpmcgovern@CIS-106: ~/scripts 🔍 ≡ - □ ×

1: tpmcgovern@CIS-106: ~/scripts ▾ □ ×

tpmcgovern@CIS-106:~$ cd scripts
tpmcgovern@CIS-106:~/scripts$ bash script_env_var.sh
The Current User: tpmcgovern
The Current Shell: /bin/bash
The Current's User Home: /home/tpmcgovern
The Path Var:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/ga
mes:/snap/bin:/snap/bin
tpmcgovern@CIS-106:~/scripts$ |
```

Challenge Question

```

1: tpmcgovern@CIS-106: ~
home/tpmcgovern
tpmcgovern@CIS-106:~$ cd
tpmcgovern@CIS-106:~$ cd /
tpmcgovern@CIS-106:/$ cd usr/share/themes/
tpmcgovern@CIS-106:/usr/share/themes$ cd ../../
tpmcgovern@CIS-106:/usr$ ls -A~
ls: invalid option -- '~'
Try 'ls --help' for more information.
tpmcgovern@CIS-106:/usr$ ls -A ~
access                practicels.tar.xz
bash_history          practicels.tar.xz.1
bash_logout           'practice mkdir'
bashrc                practicemkdir
bastetrc              .profile
cache                Public
config               scripts
Desktop              snap
Documents            .ssh
dotnet               .sudo_as_admin_successful
Downloads            Templates
fontconfig           .vboxclient-clipboard-tty2-control.pid
gitconfig            .vboxclient-clipboard-tty2-service.pid
gnupg                .vboxclient-draganddrop-tty2-control.pid
lab4files            .vboxclient-draganddrop-tty2-service.pid

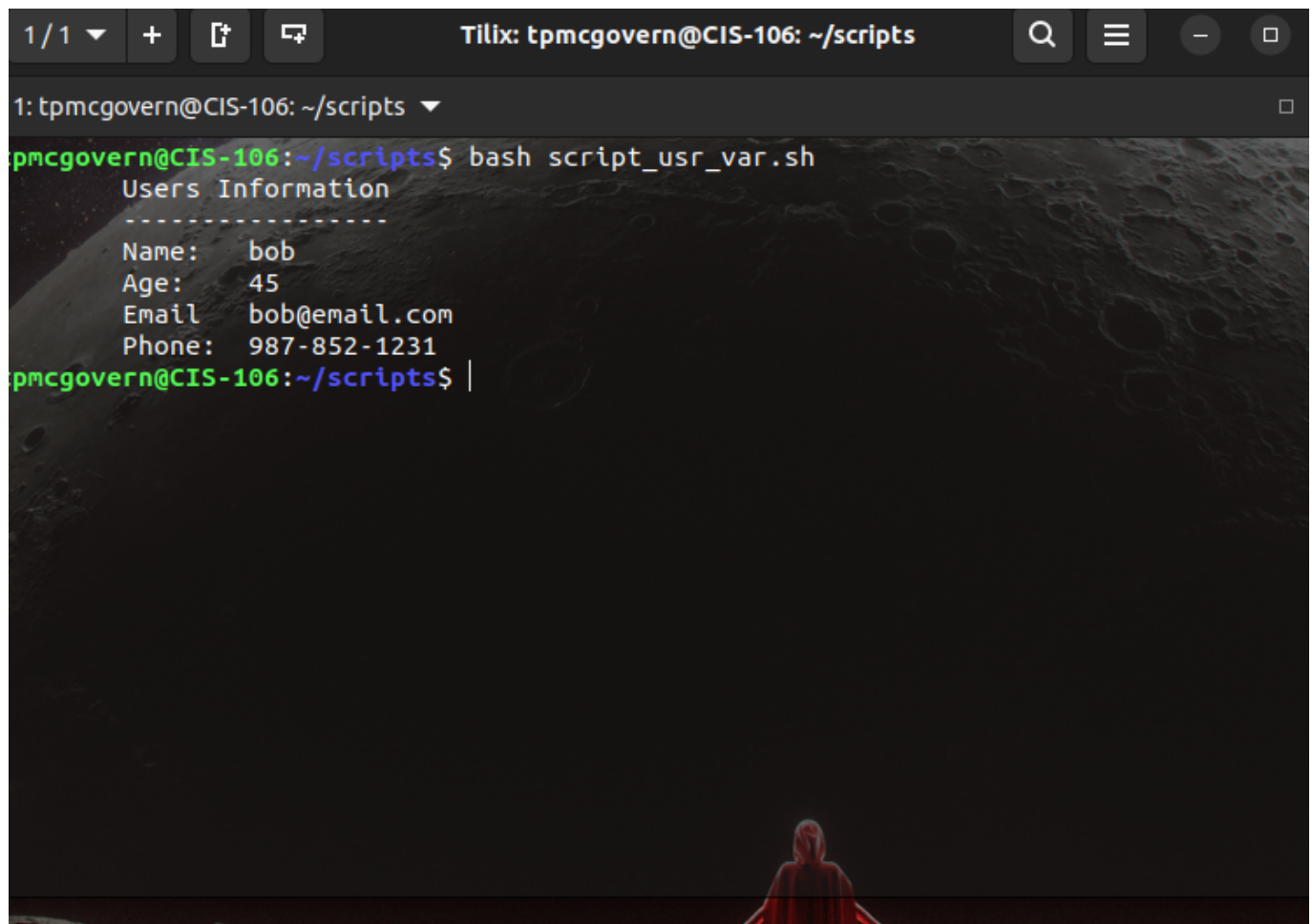
```

```

1: tpmcgovern@CIS-106: ~
.lessshst            .vboxclient-hostversion-tty2-control.pid
linux               .vboxclient-seamless-tty2-control.pid
.local              .vboxclient-seamless-tty2-service.pid
Music               .vboxclient-vmvga-session-tty2-control.pid
Pictures            .vboxclient-vmvga-session-tty2-service.pid
.pki                Videos
practicels          .vscode
tpmcgovern@CIS-106:/usr$ ls -lh ~
total 4.4M
-rw-rw-r-- 1 tpmcgovern tpmcgovern 366 Feb 10 18:10 access
drwxr-xr-x 2 tpmcgovern tpmcgovern 4.0K Feb 26 19:11 Desktop
drwxr-xr-x 2 tpmcgovern tpmcgovern 4.0K Feb 9 19:44 Documents
drwxr-xr-x 2 tpmcgovern tpmcgovern 4.0K Mar 5 10:19 Downloads
drwxrwxr-x 2 tpmcgovern tpmcgovern 4.0K Feb 22 2022 lab4files
drwxrwxr-x 8 tpmcgovern tpmcgovern 4.0K Mar 6 17:49 linux
drwxr-xr-x 2 tpmcgovern tpmcgovern 4.0K Feb 9 19:44 Music
drwxr-xr-x 3 tpmcgovern tpmcgovern 4.0K Mar 6 19:07 Pictures
drwxrwxr-x 2 tpmcgovern tpmcgovern 4.0K Feb 27 2022 practicels
-rw-rw-r-- 1 tpmcgovern tpmcgovern 2.2M Mar 4 21:36 practicels.tar.xz
-rw-rw-r-- 1 tpmcgovern tpmcgovern 2.2M Mar 4 21:36 practicels.tar.xz.1
drwxrwxr-x 2 tpmcgovern tpmcgovern 4.0K Mar 6 17:50 'practice mkdir'
drwxrwxr-x 12 tpmcgovern tpmcgovern 4.0K Mar 6 18:14 practicemkdir
drwxr-xr-x 2 tpmcgovern tpmcgovern 4.0K Feb 9 19:44 Public
drwxrwxr-x 2 tpmcgovern tpmcgovern 4.0K Mar 7 20:13 scripts

```

Practice 4



The image shows a terminal window titled "Tilix: tpmcgovern@CIS-106: ~/scripts". The terminal has a dark background with a subtle space-themed pattern, including a large cratered planet or moon in the upper half and a small figure of a person in a red cape standing on a surface in the lower half. The terminal text shows the user running a script named "script_usr_var.sh". The script outputs "Users Information" followed by a dashed line and then lists personal details for a user named "bob".

```
1 / 1 ▼ + [ ] [ ] Tilix: tpmcgovern@CIS-106: ~/scripts 🔍 ≡ - □  
1: tpmcgovern@CIS-106: ~/scripts ▼ □  
tpmcgovern@CIS-106:~/scripts$ bash script_usr_var.sh  
Users Information  
-----  
Name:    bob  
Age:     45  
Email    bob@email.com  
Phone:   987-852-1231  
tpmcgovern@CIS-106:~/scripts$ |
```