

# Week Report 4

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## Practice 1

```
1/1  +  [icon] [icon]  Tilix: mig@cis106: ~  
1: mig@cis106: ~  v  
mig@cis106:~$ pwd  
/home/mig  
mig@cis106:~$ cd Downloads/  
mig@cis106:~/Downloads$ pwd  
/home/mig/Downloads  
mig@cis106:~/Downloads$ cd ..  
mig@cis106:~$ pwd  
/home/mig  
mig@cis106:~$ cd ../../..  
mig@cis106:/$ pwd  
/  
mig@cis106:/$ cd  
mig@cis106:~$ cd -  
/  
mig@cis106:/$ pwd  
/  
mig@cis106:/$ cd  
mig@cis106:~$
```

## Practice 2

```

1/1 v + [ ] [ ] [ ]
Tilix: mig@cis106: ~/practicels

1: mig@cis106: ~/practicels v
practicels.tar.xz 100%[=====] 2.12M --KB/s
in 0.1s

2025-03-12 19:52:11 (15.6 MB/s) - 'practicels.tar.xz' saved [22292
12/2229212]

mig@cis106:~$ tar Jxf practicels.tar.xz
mig@cis106:~$ cd practicels/
mig@cis106:~/practicels$ ls
book.txt countries.xml history-debian.pdf homework.docx movie.
mp4 people.csv song.mp3 tux-nobg.png tux-penguin.gif
mig@cis106:~/practicels$ ls -a
. . . book.txt countries.xml history-debian.pdf homework.docx
movie.mp4 people.csv song.mp3 tux-nobg.png tux-penguin.gif
mig@cis106:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 mig mig 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 mig mig 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 mig mig 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 mig mig 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 mig mig 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 mig mig 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 mig mig 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 mig mig 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 mig mig 44299 Jan 31 2020 tux-penguin.gif
mig@cis106:~/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 mig mig 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 mig mig 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 mig mig 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 mig mig 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 mig mig 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 mig mig 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 mig mig 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 mig mig 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 mig mig 44K Jan 31 2020 tux-penguin.gif

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

```

## Challenge

```

1/1 v + [ ] [ ] [ ]
Tilix: mig@cis106: ~

1: mig@cis106: ~
mig@cis106:~$ pwd
/home/mig
mig@cis106:~$ cd
mig@cis106:~$ cd /
mig@cis106:/ $ cd usr/share/themes
mig@cis106:/usr/share/themes$ cd ../../
mig@cis106:/usr$ ls -A ~
.bash_history lab4files .sudo_as_admin_successful
.bash_logout .lessht Templates
.bashrc .local .vboxclient-clipboard-tty2-control.pid
.bastetrc Music .vboxclient-clipboard-tty2-service.pid
.cache Pictures .vboxclient-draganddrop-tty2-control.pid
cis106 .pki .vboxclient-hostversion-tty2-control.pid
.config practicels .vboxclient-seamless-tty2-control.pid
Desktop practicels.tar.xz .vboxclient-vmsvga-session-tty2-control.pid
Documents .profile .vboxclient-vmsvga-session-tty2-service.pid
.dotnet Public Videos
Downloads .python_history .viminfo
.gitconfig scripts .vscode
.gnupg snap wget-hsts
.irb_history .ssh
mig@cis106:/usr$ cd; ls -tX cis106/
cheatSheets finalProject labs notes weekReports
mig@cis106:~$ ls -rR ~/home/mig
ls: cannot access '/home/mig/home/mig': No such file or directory
mig@cis106:~$ ls -rR ~/cis106/
/home/mig/cis106/:
weekReports notes labs finalProject cheatSheets

/home/mig/cis106/weekReports:
wr4 wr3 wr2 wr1

/home/mig/cis106/weekReports/wr4:
wr4.p4.png wr4.p3.png wr4.p2.png wr4.p1.png

/home/mig/cis106/weekReports/wr3:

```

## Practice 3



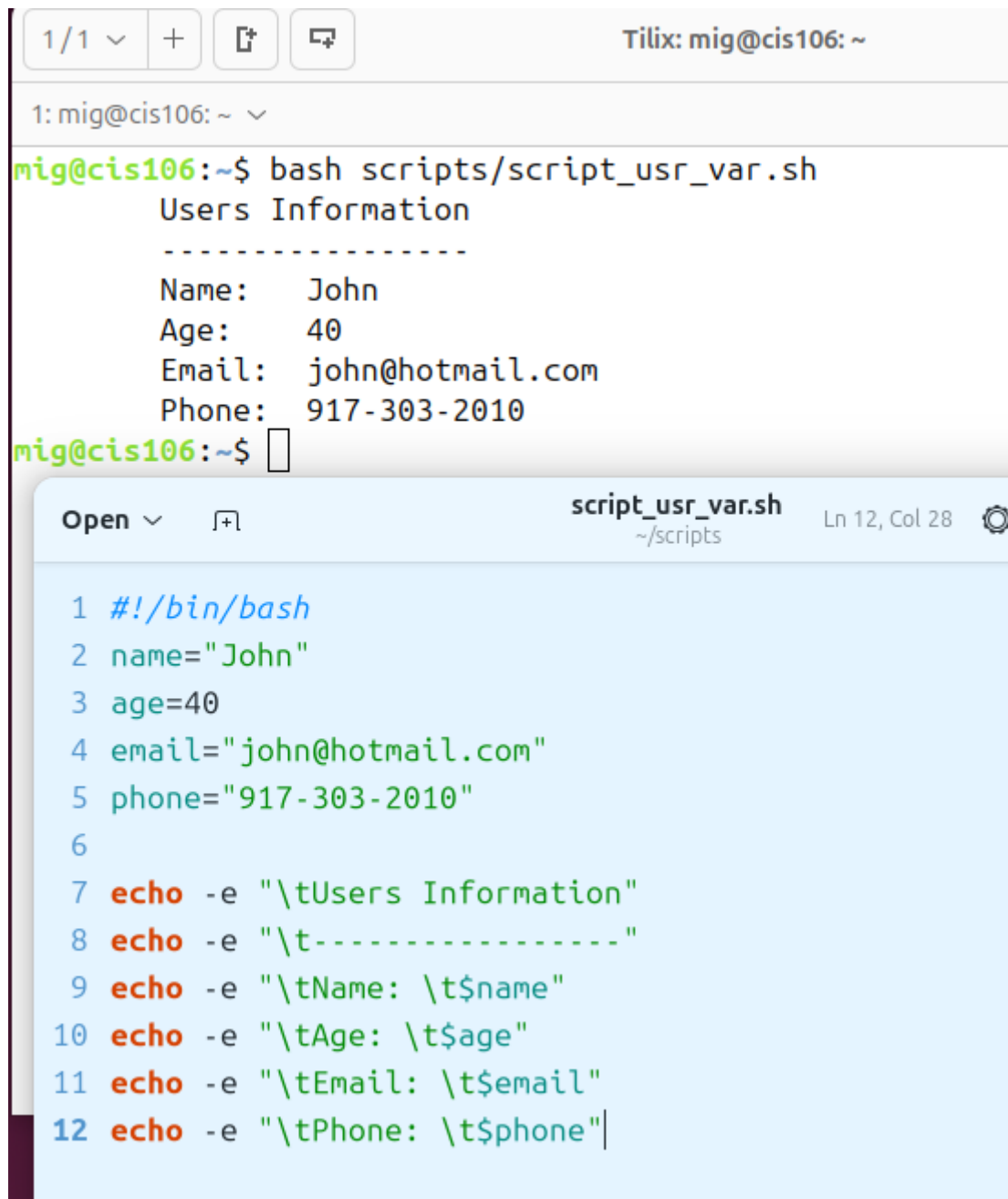
The image shows a terminal window and a script editor. The terminal window, titled "Tilix: mig@cis106: ~", shows the execution of a script named "script\_env\_var.sh". The script outputs the following information:

```
mig@cis106:~$ bash scripts/script_env_var.sh
The current User: mig
The current Shell: /bin/bash
The current user's Home: /home/mig
The Path Var:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
mig@cis106:~$
```

The script editor, titled "script\_env\_var.sh", shows the following code:

```
1 #!/bin/bash
2 echo "The current User: $USER"
3 echo "The current Shell: $SHELL"
4 echo "The current user's Home: $HOME"
5 echo -e "The Path Var: \n $PATH"
```

## Practice 4



The image shows a terminal window and a code editor. The terminal window at the top displays the execution of a shell script `scripts/script_usr_var.sh`. The script outputs "Users Information" followed by a dashed line and then displays the following information:

```
Name:   John
Age:    40
Email:  john@hotmail.com
Phone:  917-303-2010
```

The terminal prompt is `mig@cis106:~$`. Below the terminal, a code editor window titled `script_usr_var.sh` is open, showing the script's content. The editor's title bar indicates the file is located at `~/scripts` and the cursor is at `Ln 12, Col 28`. The script content is as follows:

```
1 #!/bin/bash
2 name="John"
3 age=40
4 email="john@hotmail.com"
5 phone="917-303-2010"
6
7 echo -e "\tUsers Information"
8 echo -e "\t-----"
9 echo -e "\tName: \t$name"
10 echo -e "\tAge: \t$age"
11 echo -e "\tEmail: \t$email"
12 echo -e "\tPhone: \t$phone"
```