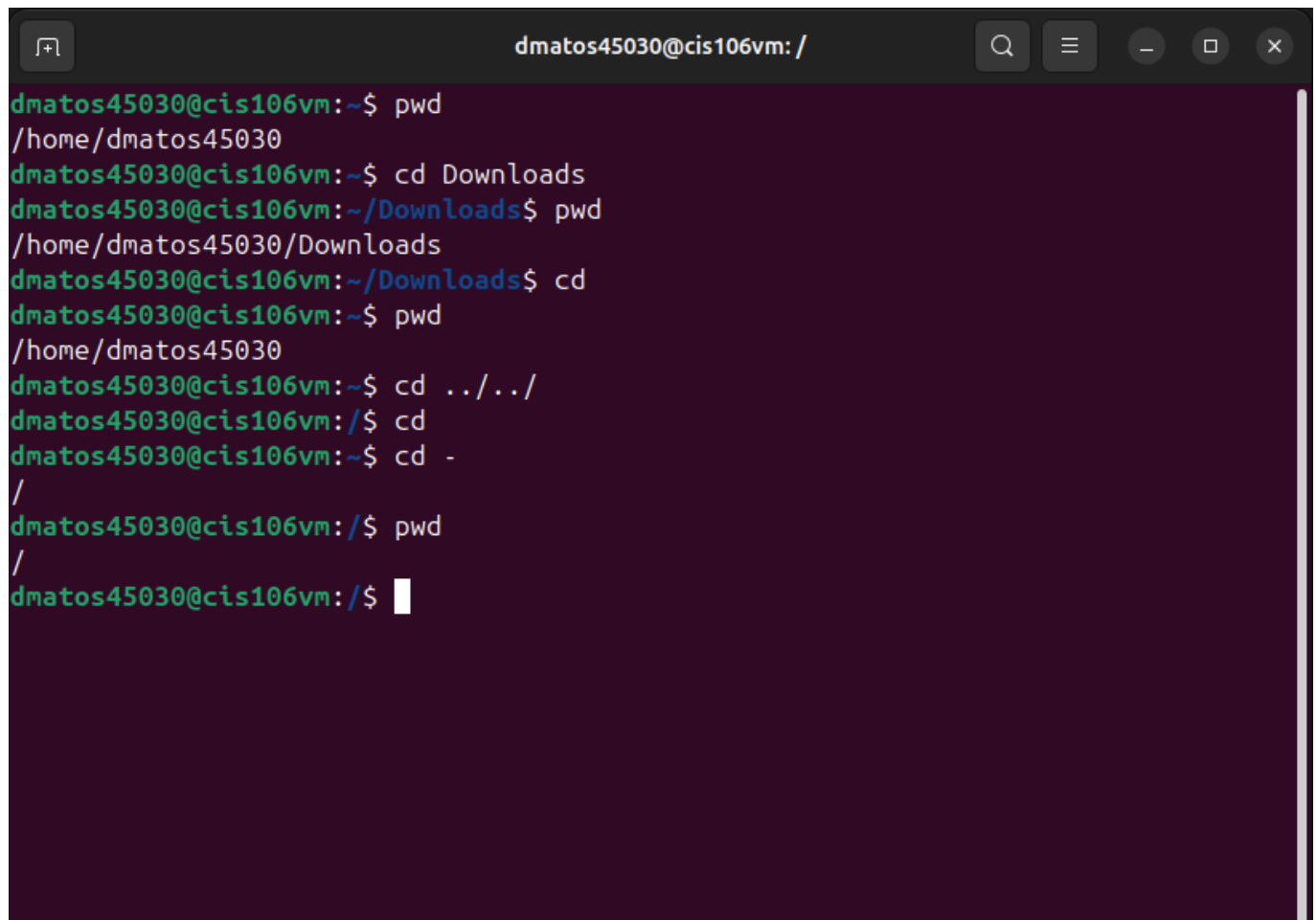


WR4

Practice 1



```
dmatos45030@cis106vm: /  
dmatos45030@cis106vm:~$ pwd  
/home/dmatos45030  
dmatos45030@cis106vm:~$ cd Downloads  
dmatos45030@cis106vm:~/Downloads$ pwd  
/home/dmatos45030/Downloads  
dmatos45030@cis106vm:~/Downloads$ cd  
dmatos45030@cis106vm:~$ pwd  
/home/dmatos45030  
dmatos45030@cis106vm:~$ cd ../../  
dmatos45030@cis106vm:/$ cd  
dmatos45030@cis106vm:~$ cd -  
/  
dmatos45030@cis106vm:/$ pwd  
/  
dmatos45030@cis106vm:/$
```

Practice 2

```
dmatos
-rw-rw-r-- 1 dmatos45030 dmatos45030 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 dmatos45030 dmatos45030 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 dmatos45030 dmatos45030 44K Jan 31 2020 tux-penguin.gif
dmatos45030@cis106vm:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 dmatos45030 dmatos45030 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 dmatos45030 dmatos45030 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 dmatos45030 dmatos45030 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 dmatos45030 dmatos45030 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 dmatos45030 dmatos45030 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 dmatos45030 dmatos45030 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 dmatos45030 dmatos45030 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 dmatos45030 dmatos45030 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 dmatos45030 dmatos45030 44K Jan 31 2020 tux-penguin.gif
dmatos45030@cis106vm:~/practicels$ ls -lhGs
total 2.9M
4.0K -rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
24K -rw-rw-r-- 1 24K Feb 27 2022 countries.xml
160K -rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
112K -rw-rw-r-- 1 109K Feb 22 2022 homework.docx
1.5M -rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
```

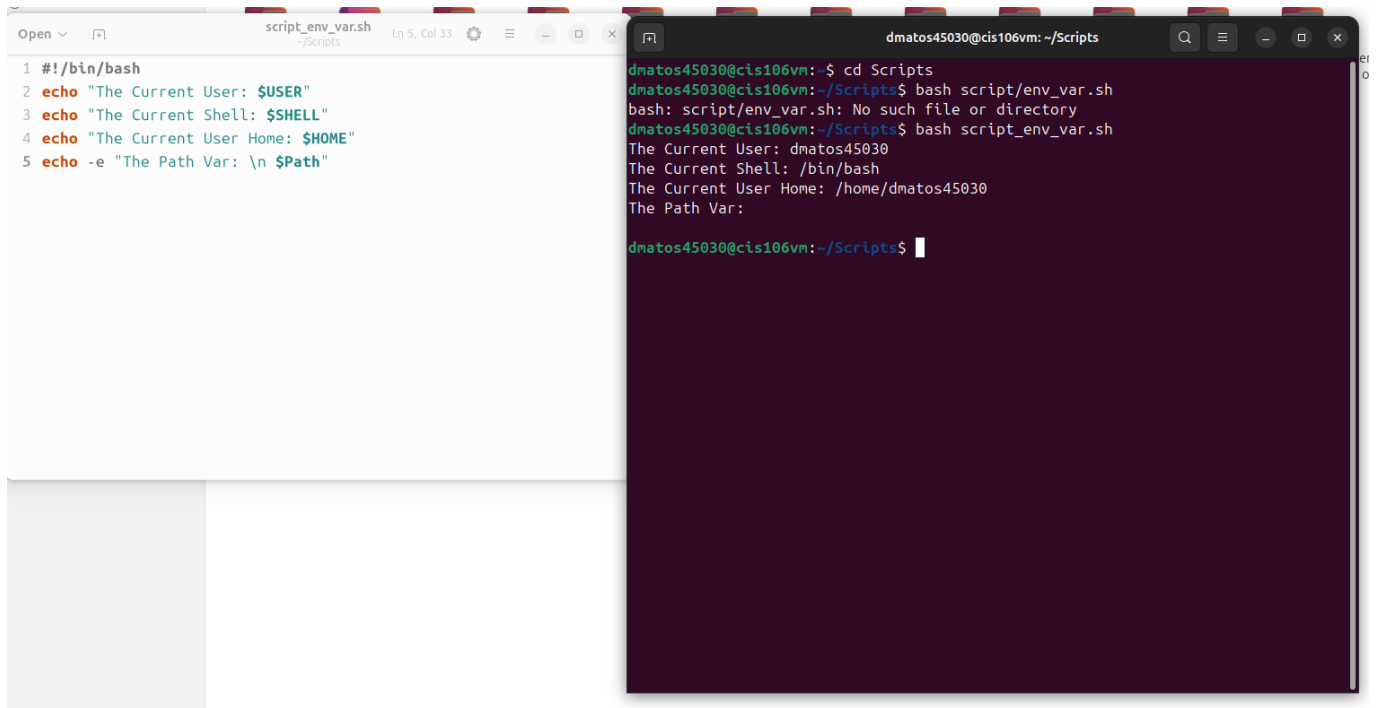
Challenge

```

dmatos45030@cis106vm:~$ pwd
/home/dmatos45030
dmatos45030@cis106vm:~$ cd
dmatos45030@cis106vm:~$ cd /
dmatos45030@cis106vm:/ $ cd usr/share/themes
dmatos45030@cis106vm:/usr/share/themes$ cd ../../
dmatos45030@cis106vm:/usr$ ls -A ~
.bash_history      Pictures
.bash_logout       .pki
.bashrc            practicels
.bastetrc          practicels.tar.xz
.cache             .profile
cis106             Public
.config            snap
Desktop            .ssh
Documents          .sudo_as_admin_successful
.dotnet            Templates
Downloads          .vboxclient-clipboard-tty2-control.pid
error_librewolfinstaller.log .vboxclient-clipboard-tty2-service.pid
essentials.sh      .vboxclient-draganddrop-tty2-control.pid
.gitconfig         .vboxclient-hostversion-tty2-control.pid
.gnupg            .vboxclient-seamless-tty2-control.pid
.lessshst         .vboxclient-vmvga-session-tty2-control.pid
.librewolf         .vboxclient-vmvga-session-tty2-service.pid
.local            Videos
Music             .vscode
dmatos45030@cis106vm:/usr$ cd; ls -tX DM-gif/
ls: cannot access 'DM-gif/': No such file or directory
dmatos45030@cis106vm:~$ cd; ls -tX cis106/
cheatSheets  finalExam  Labs  notes  WeekReports
dmatos45030@cis106vm:~$ ls -lh ~
total 2.2M
drwxrwxr-x 8 dmatos45030 dmatos45030 4.0K Oct 14 10:50 cis106
drwxr-xr-x 2 dmatos45030 dmatos45030 4.0K Sep 19 21:00 Desktop
drwxr-xr-x 2 dmatos45030 dmatos45030 4.0K Sep 19 21:00 Documents
drwxr-xr-x 3 dmatos45030 dmatos45030 4.0K Oct 10 17:47 Downloads
-rw-rw-r-- 1 dmatos45030 dmatos45030 82 Sep 20 10:46 error_librewolfinstaller.log
-rwxrwxr-x 1 dmatos45030 dmatos45030 2.1K Sep 20 10:08 essentials.sh
drwxr-xr-x 2 dmatos45030 dmatos45030 4.0K Sep 19 21:00 Music

```

Practice 3

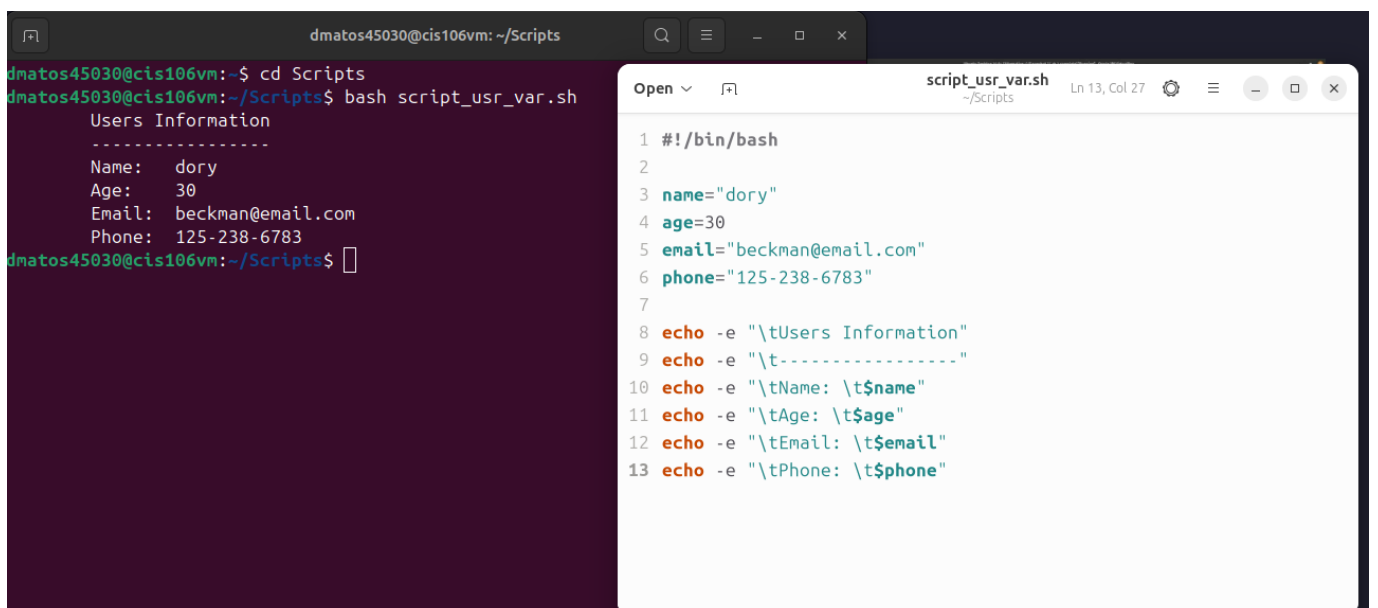


The image shows two terminal windows side-by-side. The left window, titled 'script_env_var.sh', contains a script with five lines: a shebang, and four echo statements for \$USER, \$SHELL, \$HOME, and \$Path. The right window, titled 'dmatos45030@cis106vm: ~/Scripts', shows the execution of 'script/env_var.sh' (which fails with 'No such file or directory') and 'script_env_var.sh'. The output of the second script shows the current user as 'dmatos45030', shell as '/bin/bash', home as '/home/dmatos45030', and path as an empty string.

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

```
dmatos45030@cis106vm:~$ cd Scripts
dmatos45030@cis106vm:~/Scripts$ bash script/env_var.sh
bash: script/env_var.sh: No such file or directory
dmatos45030@cis106vm:~/Scripts$ bash script_env_var.sh
The Current User: dmatos45030
The Current Shell: /bin/bash
The Current User Home: /home/dmatos45030
The Path Var:
```

Practice 4



The image shows two terminal windows. The left window, titled 'dmatos45030@cis106vm: ~/Scripts', shows the execution of 'script_usr_var.sh'. The output displays user information for 'dory', including name, age (30), email (beckman@email.com), and phone (125-238-6783). The right window, titled 'script_usr_var.sh', shows the script content: it assigns variables for name, age, email, and phone, and then uses echo with escape sequences to format the output.

```
dmatos45030@cis106vm:~$ cd Scripts
dmatos45030@cis106vm:~/Scripts$ bash script_usr_var.sh
Users Information
-----
Name:    dory
Age:     30
Email:   beckman@email.com
Phone:   125-238-6783
dmatos45030@cis106vm:~/Scripts$
```

```
1 #!/bin/bash
2
3 name="dory"
4 age=30
5 email="beckman@email.com"
6 phone="125-238-6783"
7
8 echo -e "\tUsers Information"
9 echo -e "\t-----"
10 echo -e "\tName: \t$name"
11 echo -e "\tAge: \t$age"
12 echo -e "\tEmail: \t$email"
13 echo -e "\tPhone: \t$phone"
```