


Week Report 4

Practice 1

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1: reaper@cis106: ~ ▼ □ ×  
reaper@cis106:~$ pwd  
/home/reaper  
reaper@cis106:~$ cd /home/$USER/Downloads  
reaper@cis106:~/Downloads$ pwd  
/home/reaper/Downloads  
reaper@cis106:~/Downloads$ echo "I used absolved path"  
I used absolved path  
reaper@cis106:~/Downloads$ cd ../  
reaper@cis106:~$ pwd  
/home/reaper  
reaper@cis106:~$ cd ../../  
reaper@cis106:/$ pwd  
/  
reaper@cis106:/$ cd  
reaper@cis106:~$ cd .  
reaper@cis106:~$ █
```



Practice 2

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1: reaper@cis106: ~/practicels ▾

reaper@cis106:~$ tar Jxf practicels.tar.xz
reaper@cis106:~$ cd practicels/
reaper@cis106:~/practicels$ ls
book.txt          history-debian.pdf  movie.mp4          song.mp3          tux-penguin.gif
countries.xml     homework.docx       people.csv         tux-nobg.png
reaper@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
reaper@cis106:~/practicels$ -l
-l: command not found
reaper@cis106:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 reaper reaper   1043 Feb 27  2022 book.txt
-rw-rw-r-- 1 reaper reaper  23972 Feb 27  2022 countries.xml
-rw-rw-r-- 1 reaper reaper 163057 Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 reaper reaper 111303 Feb 22  2022 homework.docx
-rw-rw-r-- 1 reaper reaper 1570024 Feb 27  2022 movie.mp4
-rw-rw-r-- 1 reaper reaper  284042 Feb 27  2022 people.csv
-rw-rw-r-- 1 reaper reaper  764176 Feb 27  2022 song.mp3
-rw-rw-r-- 1 reaper reaper   21314 Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 reaper reaper   44299 Jan 31  2020 tux-penguin.gif
reaper@cis106:~/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 reaper reaper  1.1K Feb 27  2022 book.txt
-rw-rw-r-- 1 reaper reaper   24K Feb 27  2022 countries.xml
-rw-rw-r-- 1 reaper reaper 160K Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 reaper reaper 109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 reaper reaper 1.5M Feb 27  2022 movie.mp4
-rw-rw-r-- 1 reaper reaper 278K Feb 27  2022 people.csv
-rw-rw-r-- 1 reaper reaper 747K Feb 27  2022 song.mp3
-rw-rw-r-- 1 reaper reaper  21K Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 reaper reaper  44K Jan 31  2020 tux-penguin.gif
reaper@cis106:~/practicels$ ls lht
ls: cannot access 'lht': No such file or directory
reaper@cis106:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 reaper reaper   24K Feb 27  2022 countries.xml
-rw-rw-r-- 1 reaper reaper 278K Feb 27  2022 people.csv
-rw-rw-r-- 1 reaper reaper 747K Feb 27  2022 song.mp3
-rw-rw-r-- 1 reaper reaper 1.5M Feb 27  2022 movie.mp4
-rw-rw-r-- 1 reaper reaper 160K Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 reaper reaper  21K Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 reaper reaper  1.1K Feb 27  2022 book.txt
-rw-rw-r-- 1 reaper reaper 109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 reaper reaper  44K Jan 31  2020 tux-penguin.gif
reaper@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

```

Challenge Practice


```

1: reaper@cis106: ~ ▾

reaper@cis106:~$ pwd
/home/reaper
reaper@cis106:~$ cd
reaper@cis106:~$ cd /
reaper@cis106:/ $ cd usr/share/themes
reaper@cis106:/usr/share/themes$ cd ../../
reaper@cis106:/usr$ ls -A ~
.bash_history      snap
.bash_logout       .ssh
.bashrc            .sudo_as_admin_successful
.cache             Templates
cis106             'Untitled Document 1'
.config            .vboxclient-clipboard-tty2-control.pid
Desktop            .vboxclient-clipboard-tty7-control.pid
.dnrc              .vboxclient-clipboard-tty7-service.pid
Documents          .vboxclient-draganddrop-tty2-control.pid
.dotnet            .vboxclient-draganddrop-tty7-control.pid
Downloads          .vboxclient-draganddrop-tty7-service.pid
.gitconfig         .vboxclient-hostversion-tty2-control.pid
.gnupg             .vboxclient-hostversion-tty7-control.pid
.lessshst         .vboxclient-seamless-tty2-control.pid
.local             .vboxclient-seamless-tty7-control.pid
.Music             .vboxclient-seamless-tty7-service.pid
Pictures           .vboxclient-vmsvga-session-tty2-control.pid
.pki               .vboxclient-vmsvga-session-tty7-control.pid
practicels         .vboxclient-vmsvga-session-tty7-service.pid
practicels.tar.xz  Videos
.profile           .vscode
Public             .Xauthority
script_env_var.sh  .xsession-errors
scripts            .xsession-errors.old
script.sh

reaper@cis106:/usr$ cd; ls -lX cis106/
cheatsheets  finalProject  labs  notes  weekReports
reaper@cis106:~$ ls -lh
total 2.2M
drwxr-xr-x 8 reaper reaper 4.0K Feb  8 16:40 cis106
drwxr-xr-x 2 reaper reaper 4.0K Feb 20 19:40 Desktop
drwxr-xr-x 2 reaper reaper 4.0K Feb  8 18:08 Documents
drwxr-xr-x 3 reaper reaper 4.0K Mar  6 18:25 Downloads
drwxr-xr-x 2 reaper reaper 4.0K Feb  8 15:10 Music
drwxr-xr-x 3 reaper reaper 4.0K Feb 28 23:28 Pictures
drwxr-xr-x 2 reaper reaper 4.0K Feb 27 2822 practicels
-rw-rw-r-- 1 reaper reaper 2.2M Mar 19 20:11 practicels.tar.xz
drwxr-xr-x 2 reaper reaper 4.0K Feb  8 15:10 Public
-rw-rw-r-- 1 reaper reaper 458 Feb 28 23:14 script_env_var.sh
drwxr-xr-x 2 reaper reaper 4.0K Mar  2 13:21 scripts
-rw-rw-r-- 1 reaper reaper 329 Feb  8 15:45 script.sh
drwx----- 5 reaper reaper 4.0K Feb 14 18:18 snap
drwxr-xr-x 2 reaper reaper 4.0K Feb  8 15:10 Templates
-rw-rw-r-- 1 reaper reaper 904 Feb  8 18:07 'Untitled Document 1'
drwxr-xr-x 2 reaper reaper 4.0K Feb  8 15:16 Videos
reaper@cis106:~$ ls -log --full-time ~
total 2248
drwxr-xr-x 8      4096 2024-02-08 10:40:45.987499192 -0500 cis106
drwxr-xr-x 2      4096 2024-02-20 19:40:24.069210597 -0500 Desktop
drwxr-xr-x 2      4096 2024-02-08 18:08:31.430898090 -0500 Documents
drwxr-xr-x 3      4096 2024-03-06 18:25:48.911673859 -0500 Downloads
drwxr-xr-x 2      4096 2024-02-08 15:10:20.849999990 -0500 Music
drwxr-xr-x 3      4096 2024-02-28 23:28:03.408274572 -0500 Pictures
drwxr-xr-x 2      4096 2022-02-27 13:40:18.000000000 -0500 practicels
-rw-rw-r-- 1 2229212 2024-03-19 20:11:18.000000000 -0400 practicels.tar.xz
drwxr-xr-x 2      4096 2024-02-08 15:10:20.849999990 -0500 Public
-rw-rw-r-- 1      458 2024-02-28 23:14:18.093533160 -0500 script_env_var.sh
drwxr-xr-x 2      4096 2024-03-02 13:21:50.177445520 -0500 scripts
-rw-rw-r-- 1      329 2024-02-08 15:45:14.418530268 -0500 script.sh
drwx----- 5      4096 2024-02-14 18:10:53.150000040 -0500 snap
drwxr-xr-x 2      4096 2024-02-08 15:10:20.849999990 -0500 Templates
-rw-rw-r-- 1      904 2024-02-08 18:07:29.900188003 -0500 'Untitled Document
drwxr-xr-x 2      4096 2024-02-08 15:10:20.849999990 -0500 Videos
reaper@cis106:~$

```

Practice 3

Open

env_var.sh
~/scripts

Save

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```

1#!/bin/bash
2echo "The current User: $USER"
3echo "The current Shell: $SHELL"
4echo "The Current's User Home: $HOME"
5echo -e "The Path var: \n $PATH" # want the path is a single line

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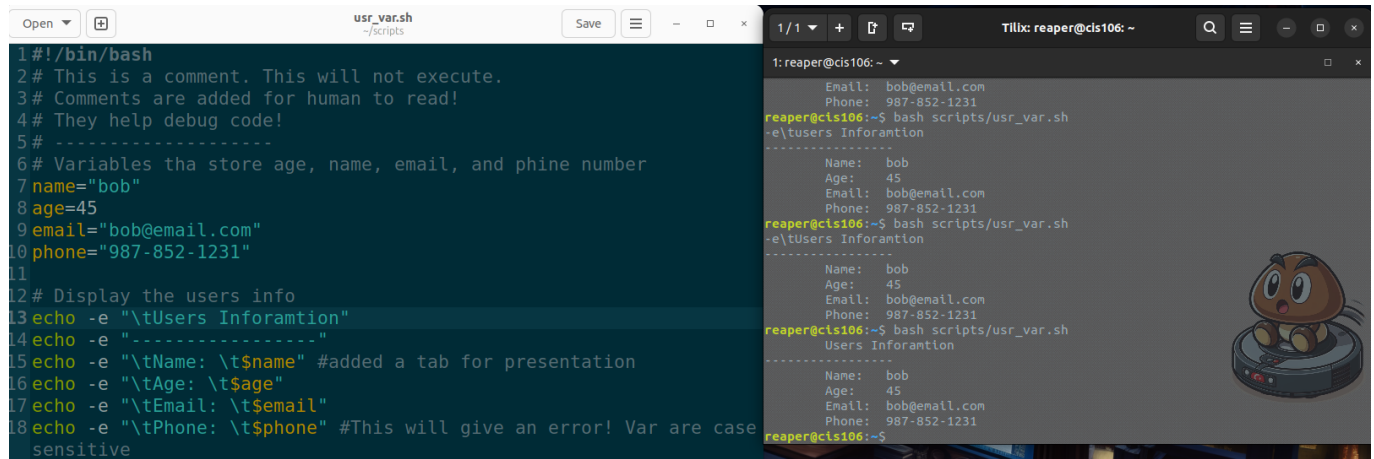
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```

1: reaper@cis106:~ ▾
reaper@cis106:~$ bash script
/usr/bin/script: /usr/bin/script: cannot execute binary file
reaper@cis106:~$ bash scripts/env_var.sh
The current User: reaper
The current Shell: /bin/bash
The Current's User Home: /home/reaper
The Path var:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
reaper@cis106:~$

```

Practice 4



The image shows a code editor window on the left and a terminal window on the right. The code editor displays a shell script named `usr_var.sh` with the following content:

```
1#!/bin/bash
2# This is a comment. This will not execute.
3# Comments are added for human to read!
4# They help debug code!
5# -----
6# Variables tha store age, name, email, and phine number
7name="bob"
8age=45
9email="bob@email.com"
10phone="987-852-1231"
11
12# Display the users info
13echo -e "\tUsers Inforamtion"
14echo -e "-----"
15echo -e "\tName: \t$name" #added a tab for presentation
16echo -e "\tAge: \t$age"
17echo -e "\tEmail: \t$email"
18echo -e "\tPhone: \t$phone" #This will give an error! Var are case
sensitive
```

The terminal window on the right shows the execution of the script. It displays the output of the `echo` commands, which is a formatted string of user information for 'bob'. The output is as follows:

```
1: reaper@cis106: ~
Email: bob@email.com
Phone: 987-852-1231
reaper@cis106:~$ bash scripts/usr_var.sh
-e\tUsers Inforamtion
-----
Name: bob
Age: 45
Email: bob@email.com
Phone: 987-852-1231
reaper@cis106:~$ bash scripts/usr_var.sh
-e\tUsers Inforamtion
Users Inforamtion
-----
Name: bob
Age: 45
Email: bob@email.com
Phone: 987-852-1231
reaper@cis106:~$
```

A small cartoon character is visible in the bottom right corner of the terminal window.