

# Week Report 4

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## Practice Question 1

```
1: jhopkinswalker@cis106vm: / ▾  
jhopkinswalker@cis106vm:~/cis106$ pwd  
/home/jhopkinswalker/cis106  
jhopkinswalker@cis106vm:~/cis106$ cd /home/$USER/Downloads  
jhopkinswalker@cis106vm:~/Downloads$ pwd  
/home/jhopkinswalker/Downloads  
jhopkinswalker@cis106vm:~/Downloads$ cd ..  
jhopkinswalker@cis106vm:~$ cd ../../  
jhopkinswalker@cis106vm:/$ cd  
jhopkinswalker@cis106vm:~$ cd -  
/  
jhopkinswalker@cis106vm:/$ pwd  
/  
jhopkinswalker@cis106vm:/$
```

## Practice Question 2

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

## Challenge Question

```

drwxr-xr-x 6 jhopkinswalker jhopkinswalker 4.0K Mar  6 18:43 Documents
drwxr-xr-x 4 jhopkinswalker jhopkinswalker 4.0K Mar  6 18:36 Downloads
drwxrwxr-x 7 jhopkinswalker jhopkinswalker 4.0K Dec 21 18:10 finalFiles
drwxrwxr-x 2 jhopkinswalker jhopkinswalker 4.0K Dec 21 18:56 finalSubmission
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker  96 Dec 21 22:19 food2.txt
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker  89 Dec 21 22:20 food3.txt
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker  70 Dec 21 22:17 food.txt
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker  91 Dec 13 18:54 gitcommands.txt
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker 979 Dec 21 23:54 GNU+Linux.md
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker 237 Dec 21 23:08 linux.md
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker 784 Dec 21 23:45 linux+other.md
drwxr-xr-x 2 jhopkinswalker jhopkinswalker 4.0K Dec 12 12:45 Music
drwxr-xr-x 4 jhopkinswalker jhopkinswalker 4.0K Mar  6 18:36 Pictures
drwxrwxr-x 2 jhopkinswalker jhopkinswalker 4.0K Feb 27 2022 practicels
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker 2.2M Mar  3 19:46 practicels.tar.xz
drwxrwxr-x 8 jhopkinswalker jhopkinswalker 4.0K Mar  6 18:42 PracticeMkdir
drwxr-xr-x 2 jhopkinswalker jhopkinswalker 4.0K Dec 12 12:45 Public
drwxrwxr-x 2 jhopkinswalker jhopkinswalker 4.0K Mar  4 20:31 scripts
-rw-r--r-- 1 jhopkinswalker jhopkinswalker 7.4K Feb 25 20:06 search
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker  35 Dec 13 23:48 shopping.txt
drwx----- 7 jhopkinswalker jhopkinswalker 4.0K Feb 25 20:08 snap
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker  55 Dec 13 23:52 tasks.txt
drwxr-xr-x 2 jhopkinswalker jhopkinswalker 4.0K Dec 12 12:45 Templates
-rw-rw-r-- 1 jhopkinswalker jhopkinswalker 271 Dec 21 18:42 'Untitled Document 1'
drwxr-xr-x 2 jhopkinswalker jhopkinswalker 4.0K Dec 12 12:45 Videos
jhopkinswalker@cis106vm:~$ ls -lgG -full-time ~
ls: invalid option -- '-'
Try 'ls --help' for more information.
jhopkinswalker@cis106vm:~$ ls -lgG --full-time ~
total 2296
-rw-rw-r-- 1      0 2023-12-21 22:49:57.165969753 -0500 :
-rw-rw-r-- 1    830 2023-12-21 18:30:20.335907043 -0500 all_files.md
-rw-rw-r-- 1      0 2024-03-06 18:39:36.095502962 -0500 cat
-rw-rw-r-- 1    488 2023-12-14 01:05:19.282636060 -0500 cereal-sorted.csv.json
drwxrwxr-x 9   4096 2024-02-25 12:24:16.786727216 -0500 cis106
drwxr-xr-x 2   4096 2023-12-13 19:24:21.349917463 -0500 Desktop
drwxr-xr-x 6   4096 2024-03-06 18:43:45.736260047 -0500 Documents
drwxr-xr-x 4   4096 2024-03-06 18:36:43.901449584 -0500 Downloads

```

## Practice Question 3

```
1/1 + [?] [?] Tilix: jhopkinswalker@cis106vm: ~ [Q] [≡] [—] [□] [×]
1: jhopkinswalker@cis106vm: ~ [A] [□] [×]
jhopkinswalker@cis106vm:~$ env
SHELL=/bin/bash
SESSION_MANAGER=local/cis106vm:@/tmp/.ICE-unix/2825,unix/cis106vm:/tmp/.ICE-unix/2825
QT_ACCESSIBILITY=1
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu-xorg:/etc/xdg
SSH_AGENT_LAUNCHER=gnome-keyring
XDG_MENU_PREFIX=gnome-
GNOME_DESKTOP_SESSION_ID=this-is-deprecated
GTK_IM_MODULE=ibus
GNOME_SHELL_SESSION_MODE=ubuntu
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=ubuntu-xorg
GTK_MODULES=gail:atk-bridge
DBUS_STARTER_BUS_TYPE=session
PWD=/home/jhopkinswalker
LOGNAME=jhopkinswalker
jhopkinswalker@cis106vm:~$
2: jhopkinswalker@cis106vm: ~ [□] [×]
jhopkinswalker@cis106vm:~$ bash scripts/script_env_var.sh
The current user: jhopkinswalker
The current shell: /bin/bash
The current user's home directory absolute path: /home/jhopkinswalker
The path variable:
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/s
nap/bin:/snap/bin
jhopkinswalker@cis106vm:~$ [ ]
```

### Practice Question 4

```
jhopkinswalker@cis106vm:~$ bash scripts/script_usr_var.sh
User info
    Name: Star
    Age: 26
    Email address: star_torr1028@gmail.com
    Phone number: 123-456-7890
jhopkinswalker@cis106vm:~$
```