Week Report 4 Submission

Practice 1

```
1/1 ~ +
                              Tilix: aluna1740@ironhide: /
                                                            Q
                  귝
 1: aluna1740@ironhide: / ~
aluna1740@ironhide:~$ pwd
/home/aluna1740
aluna1740@ironhide:~$ cd /home/$USER/Downloads/
aluna1740@ironhide:~/Downloads$ pwd
/home/aluna1740/Downloads
aluna1740@ironhide:~/Downloads$ cd ...
aluna1740@ironhide:~$ pwd
/home/aluna1740
aluna1740@ironhide:~$ cd ../../
aluna1740@ironhide:/$ pwd
aluna1740@ironhide:/$ cd
aluna1740@ironhide:~$ pwd
/home/aluna1740
aluna1740@ironhide:~$ cd -
aluna1740@ironhide:/$ pwd
aluna1740@ironhide:/$
```

Practice 2

```
1: aluna1740@ironhide: ~/practicels ~
aluna1740@ironhide:-$ wget https://cis106.com/assets/practicels.tar.xz
--2024-03-02 10:14:14-- https://cis106.com/assets/practicels.tar.xz
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2229212 (2.1M) [application/x-xz]
Saving to: 'practicels.tar.xz'
 2024-03-02 10:14:14 (9.52 MB/s) - 'practicels.tar.xz' saved [2229212/2229212]
 aluna1740@ironhide:~$ tar Jxf practicels.tar.xz
aluna1740@ironhide:~$ cd practicels/
aluna1740@fronhide:~/practicels$ ls
book.txt countries.xml history-debian.pdf homework.docx movie.mp4 people.csv song.mp3 tux-nobg.png tux-penguin.gif
aluna1740@fronhide:~/practicels$ ls -a
. . . book.txt countries.xml history-debian.pdf homework.docx movie.mp4 people.csv song.mp3 tux-nobg.png tux-penguin.gif
 aluna1740@ironhide:~/practicels$ ls -
 total 2932
 total 2932
-rw-rw-r-- 1 aluna1740 aluna1740 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 aluna1740 aluna1740 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 aluna1740 aluna1740 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 aluna1740 aluna1740 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 aluna1740 aluna1740 284042 Feb 27 2022 people.csv
  -rw-rw-r-- 1 aluna1740 aluna1740 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 aluna1740 aluna1740 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 aluna1740 aluna1740 44299 Jan 31 2020 tux-penguin.gif
 aluna1740@ironhide:~/practicels$
 total 2932
 21314 Feb 27
                                                                                       21314 Feb 27 2022 tux-nobg.png
44299 Jan 31 2020 tux-penguin.gif
  rw-rw-r-- 1 aluna1740 aluna1740
rw-rw-r-- 1 aluna1740 aluna1740
 aluna1740@ironhide:~/practicels$ ls -lh
 total 2.9M
total 2.9M
-rw-rw-r-- 1 aluna1740 aluna1740 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 aluna1740 aluna1740 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 aluna1740 aluna1740 160K Feb 27 2022 history-debiar
-rw-rw-r-- 1 aluna1740 aluna1740 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 aluna1740 aluna1740 278K Feb 27 2022 movie.mp4
-rw-rw-r-- 1 aluna1740 aluna1740 747K Feb 27 2022 people.csv
-rw-rw-r-- 1 aluna1740 aluna1740 21K Feb 27 2022 song.mp3
-rw-rw-r-- 1 aluna1740 aluna1740 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 aluna1740 aluna1740 44K Jan 31 2020 tux-penguin.gi
aluna1740@ironhide:~/practicels$ ls -lht
total 2.9M
                                                                                                                     2022 history-debian.pdf
                                                                                                                    2022 tux-nobg.png
2020 tux-penguin.gif
 total 2.9M
 cotat 2.9m
-rw-rw-r-- 1 aluna1740 aluna1740 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 aluna1740 aluna1740 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 aluna1740 aluna1740 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 aluna1740 aluna1740 1.5M Feb 27 2022 movie.mp4
                                                                                                                    2022 movie.mp4
2022 history-debian.pdf
-rw-rw-r-- 1 aluna1740 aluna1740 1.5m reb 27
-rw-rw-r-- 1 aluna1740 aluna1740 160K reb 27
-rw-rw-r-- 1 aluna1740 aluna1740 21K reb 27
-rw-rw-r-- 1 aluna1740 aluna1740 1.1K reb 27
-rw-rw-r-- 1 aluna1740 aluna1740 109K reb 22
-rw-rw-r-- 1 aluna1740 aluna1740 44K Jan 31
aluna1740@ironhide:~/practicels$
                                                                                                                    2022 tux-nobg.png
2022 book.txt
                                                                                                                     2022 homework.docx
                                                                                     44K Jan 31 2020 tux-penguin.gif
```

```
aluna1740@tronhide:-/practicels\ ls -lht
total 2.9M
-TW-TW-T:- 1 aluna1740 aluna1740 278K Feb 27
-TW-TW-T:- 1 aluna1740 aluna1740 777K Feb 27
-TW-TW-T:- 1 aluna1740 aluna1740 777K Feb 27
-TW-TW-T:- 1 aluna1740 aluna1740 1.5K Feb 27
-TW-TW-T:- 1 aluna1740 aluna1740 106K Feb 27
-TW-TW-T:- 1 aluna1740 aluna1740 116K Feb 27
-TW-TW-T:- 1 aluna1740 aluna1740 1.5K Feb 27
-TW-TW-T:- 1 aluna1740 aluna1740 44K Jan 31
-TW-TW-T:- 1 aluna1740 aluna1740 44K Jan 31
-TW-TW-T:- 1 aluna1740 aluna1740 44K Jan 31
-TW-TW-T:- 1 aluna1740 aluna1740 45K Jan 31
-TW-TW-T:- 1 aluna1740 aluna1740 aluna1740 aluna1740
-TW-TW-T:- 1 1.5K Feb 27
-TW-TW-T:- 1 1.6K Feb 27
-TW-TW-T:- 1 1.6K Feb 27
-TW-TW-T:- 1 1.6K Feb 27
-TW-TW-T:- 1 4K Jan 31
-TW-TW-T:- 1 4K Jan 31
-TW-TW-T:- 1 4K Feb 27
-TW-TW-T:- 1 1.5K Feb 27
-TW-TW-T:- 1 2K Feb 27
-TW-TW-TW
```

Challenge Practice

```
aluna1740@ironhide:~$ pwd
/home/aluna1740
/| All | All
Applications Documents practicels
.bash_history .dotnet practicels.tar.xz
.bash_logout Downloads .profile
.bashrc .gitconfig Public
                                                                                                                                .vboxclient-clipboard-tty2-control.pid
                                                                                                                                                                                                                                   .vboxclient-seamless-ttv7-service.pid
                                                                                                                             .vboxclient-clipboard-tty2-control.pid

.vboxclient-clipboard-tty7-control.pid

.vboxclient-draganddrop-tty2-control.pid

.vboxclient-draganddrop-tty7-control.pid

.vboxclient-draganddrop-tty7-service.pid

.vboxclient-hostversion-tty7-control.pid

.vboxclient-hostversion-tty7-control.pid
                                                                                                                                                                                                                                  .vboxclient-vmsvga-session-tty7-control.pid
.vboxclient-vmsvga-session-tty7-control.pid
.vboxclient-vmsvga-session-tty7-service.pid
                                 .gnupg
.lesshst
                                                                                                                                                                                                                                   .Xauthority
                                                               .sudo as admin successful
                                                                                                                                                                                                                                  .xsession-errors
                                                                                                                               .vboxclient-seamless-tty2-control.pid
.vboxclient-seamless-tty7-control.pid
                                                                                                                                                                                                                                    .xsession-errors.old
 .dmrc
aluna1740@ironhide:/usr$ cd; ls -tX ~/cis106/
                                                                                                          labs notes scripts weekReports readme.md
aluna1740@ironhide:/usr$ cd; ls -tX ~/cis106/
                                                                                          finalProject labs notes scripts weekReports readme.md
aluna1740@ironhide:~$ ls -rR ~/cis106/
/home/aluna1740/cis106/:
  weekReports scripts readme.md notes labs finalProject cheatSheets challengeQuestion
/home/aluna1740/cis106/weekReports:
 wr4 wr3 wr2 wr1
/home/aluna1740/cis106/weekReports/wr4:
wr4.md p2.3.png p2.2.png p2.1.png p1.png
/home/aluna1740/cis106/weekReports/wr3:
wr3.pdf wr3.md p7.png p6.png p5.png p4.2.png p4.1.png p3.png p2.png
/home/aluna1740/cis106/weekReports/wr2:
wr2.pdf wr2.md
/home/aluna1740/cis106/weekReports/wr1:
wr1.pdf wr1.md slack.png git.png
/home/aluna1740/cis106/scripts:
script_env_var.sh hello.sh
/home/aluna1740/cis106/notes:
/home/aluna1740/cis106/notes/notes1:
notes1.pdf notes1_original.pdf notes1.md
/home/aluna1740/cis106/labs:
/home/aluna1740/cis106/labs/lab3:
                                                                                                 o1.1.png lab3-script.sh lab3.pdf lab3.md challenge lab3.sh
```

```
notes1.pdf notes1 original.pdf notes1.md
/home/aluna1740/cis106/labs:
/home/aluna1740/cis106/labs/lab3:
 4.png q3.png q2.png q1.2.png q1.1.png lab3-script.sh lab3.pdf lab3.md challenge_lab3.sh
/home/aluna1740/cis106/labs/lab2:
script.png neofetch.png lab2.pd
/home/aluna1740/cis106/labs/lab1:
ubuntu.txt ubuntu_.pdf ubuntu.pdf ubuntu.md UbuntuLogo.svg UbuntuDesktop.png resume.png johndoe.jpeg johndoeinfo.txt
/home/aluna1740/cis106/finalProject:
/home/aluna1740/cis106/cheatSheets:
Managing Software Cheat Sheet.png'
                                           'Linux Workshop _ Ubuntu Software installation cheat sheet.png'
/home/aluna1740/cis106/challengeQuestion:
resume.pdf resume.md johndoe.jpeg
aluna1740@ironhide:~$ ls -lh ~
total 2.2M
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 16 08:45 Applications
drwxrwxr-x 11 aluna1740 aluna1740 4.0K Feb 18 11:24 cts106
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 17 14:22 Desktop
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 5 22:52 Documents

      drwxr-xr-x
      3 aluna1740 aluna1740 4.0K Feb 28 18:27 Downloads

      drwxr-xr-x
      2 aluna1740 aluna1740 4.0K Feb 5 22:52 Mustc

      drwxr-xr-x
      2 aluna1740 aluna1740 4.0K Feb 28 18:54 Pictures

      drwxrwxr-x
      2 aluna1740 aluna1740 4.0K Feb 27 2022 practicel

                                                      2022 practicels
aluna1740@ironhide:~$ ls -lh ~
total 2.2M
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 16 08:45 Applications
drwxrwxr-x 11 aluna1740 aluna1740 4.0K Feb 18 11:24 cis106
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 17 14:22 Desktop
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 5 22:52 Documents
drwxr-xr-x 3 aluna1740 aluna1740 4.0K Feb 28 18:27 Downloads
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb
                                                         5 22:52 Music
drwxr-xr-x 3 aluna1740 aluna1740 4.0K Feb 28 18:54 Pictures
drwxrwxr-x 2 aluna1740 aluna1740 4.0K Feb 27 2022 practicels
               1 aluna1740 aluna1740 2.2M Mar
                                                         1 21:18 practicels.tar.xz
- rw-rw-r--
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 5 22:52 Public
               7 aluna1740 aluna1740 4.0K Feb 16 08:01 snap
drwx----
drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 5 22:52 Templates drwxr-xr-x 2 aluna1740 aluna1740 4.0K Feb 5 22:52 Videos
aluna1740@ironhide:~$ ls -lgG -full-time
ls: invalid option -- '-'
Try 'ls --help' for more information.
aluna1740@ironhide:~$ ls -lgG --full-time ~
total 2228
                      4096 2024-02-16 08:45:46.961078156 -0500 Applications 4096 2024-02-18 11:24:38.837415528 -0500 cis106
drwxr-xr-x 2
drwxrwxr-x 11
                      4096 2024-02-17 14:22:12.230574113 -0500 Desktop
drwxr-xr-x 2
drwxr-xr-x
                      4096 2024-02-05 22:52:46.934773913 -0500 Documents
                      4096 2024-02-28 18:27:41.023428133 -0500 Downloads
drwxr-xr-x
drwxr-xr-x
                      4096 2024-02-05 22:52:46.934773913 -0500 Music
                      4096 2024-02-28 18:54:14.563341887 -0500 Pictures
drwxr-xr-x
                      4096 2022-02-27 13:46:18.000000000 -0500 practicels
drwxrwxr-x
               1 2229212 2024-03-01 21:18:31.000000000 -0500 practicels.tar.xz
- FW- FW- F--
                      4096 2024-02-05 22:52:46.934773913 -0500 Public
4096 2024-02-16 08:01:00.848909624 -0500 snap
drwxr-xr-x 2
drwx-----
drwxr-xr-x
                      4096 2024-02-05 22:52:46.934773913 -0500 Templates
drwxr-xr-x
                      4096 2024-02-05 22:52:46.934773913 -0500 Videos
```

Practice 3 - Environment Variables

```
1
          # Author: Alberto Luna
          # Date: 02/28/2024
          #!/bin/bash
          echo "This is the current user: " $USER
          # User devine variable
          name="AL"
          age="43"
          h="5.7"
11
          w="163 lbs"
12
13
          echo "The name is: $name"
          echo "$name is $age years old"
15
          echo "He has $w"
          echo "and is $h inches tall"
17
18
          # Using variables with commands:
19
          # list all the files in the users' Downloads Folder
          ls $HOME/Downloads
21
          # list all the files in the home folder including hidden
23
          ls -al $HOME
24
          #using Variables in path
26
          ls -l /home/$USER/Pictures
          ls -al /home/$USER/Pictures
                                       cripts$ bash script_env_var.sh
This is the current user: aluna1740
The name is: AL
AL is 43 years old
He has 163 lbs
and is 5.7 inches tall
code_1.86.0-1706698139_amd64 code_1.86.2-1707854558_amd64.deb kcs.sh
code_1.86.0-1706698139_amd64.deb google-chrome-stable_current_amd64.deb Kcs.sh
total 2384
                                                                                                   kcs.sh ScreenConnect.ClientSetup.sh
                                                 4096 Mar 2 10:14 .

4096 Feb 5 22:26 ..

4096 Feb 16 08:45 Applications

8428 Mar 2 10:07 .bash_history

220 Feb 5 22:26 .bash_logout
drwxr-x--- 25 aluna1740 aluna1740
drwxr-xr-x 3 root root
drwxr-xr-x 2 aluna1740 aluna1740
-rw----- 1 aluna1740 aluna1740
-rw-r--r-- 1 aluna1740 aluna1740
-rw-r--r-- 1 aluna1740 aluna1740
                                                  3792 Feb 14 18:09 .bashrc
drwx----- 20 aluna1740 aluna1740
drwxrwxr-x 3 aluna1740 aluna1740
                                                 4096 Feb 17 14:16 .cache
4096 Feb 14 18:09 .cargo
drwxrwxr-x 11 aluna1740 aluna1740
                                                  4096 Feb 18 11:24 cis106
drwxrwxr-x 11 aluna1/40 aluna1/40
drwxr-xr-x 2 aluna1740 aluna1740
-rw-r--r-- 1 aluna1740 aluna1740
drwxr-xr-x 2 aluna1740 aluna1740
drwxr-xr-x 2 aluna1740 aluna1740
drwxr-xr-x 3 aluna1740 aluna1740
                                                 4096 Mar 2 10:33 .config
4096 Feb 17 14:22 Desktop
43 Feb 17 14:02 .dmrc
4096 Feb 5 22:52 Documents
                                                 4096 Feb 5 22:52 Documents
4096 Feb 6 00:33 .dotnet
4096 Feb 28 18:27 Downloads
80 Feb 6 00:00 .gitconfig
4096 Feb 17 14:04 .gnupg
20 Feb 28 18:22 .lesshst
4096 Feb 6 00:40 .local
4096 Feb 5 22:52 Music
-rw-rw-r-- 1 aluna1740 aluna1740
drwx----- 2 aluna1740 aluna1740
                1 aluna1740 aluna1740
drwx----
                4 aluna1740 aluna1740
drwxr-xr-x 2 aluna1740 aluna1740
drwxr-xr-x 3 aluna1740 aluna1740
                                                  4096 Feb 28 18:54 Pictures
                3 aluna1740 aluna1740
                                                  4096 Feb
drwx-----
                                                              6 00:31 .pki
drwxrwxr-x 2 aluna1740 aluna1740 4096 Feb 27 2022 practicels
-rw-rw-r-- 1 aluna1740 aluna1740 2229212 Mar 1 21:18 practicels.tar.xz
                1 aluna1740 aluna1740
                                                  828 Feb 14 18:09 .profile
 - rw - r - - r - -
```

Practice 4 - User Defined Variables

```
name="Alberto"
   age=43
    email="albertoluna@msn.com"
     phone="973-760-5103"
    echo -e "\tUsers Information"
 16 echo -e "\t-----
    echo -e "\tName: \t$name" #added a tab for presentation
    echo -e "\tAge: \t$age"
echo -e "\tEmail: \t$email"
echo -e "\tPhone: \t$phone"
aluna1740@ironhide:~/cis106/scripts$ cd
aluna1740@ironhide:~$ cd -
/home/aluna1740/cis106/scripts
aluna1740@ironhide:~/cis106/scripts$ ls
hello.sh script_env_var.sh usr_var.sh
aluna1740@ironhide:~/cis106/scripts$ bash usr var.sh
         Users Information
         Name:
                   Alberto
                   43
         Age:
```

Email: albertoluna@msn.com

Phone: 973-760-5103
aluna1740@ironhide:~/cis106/scripts\$