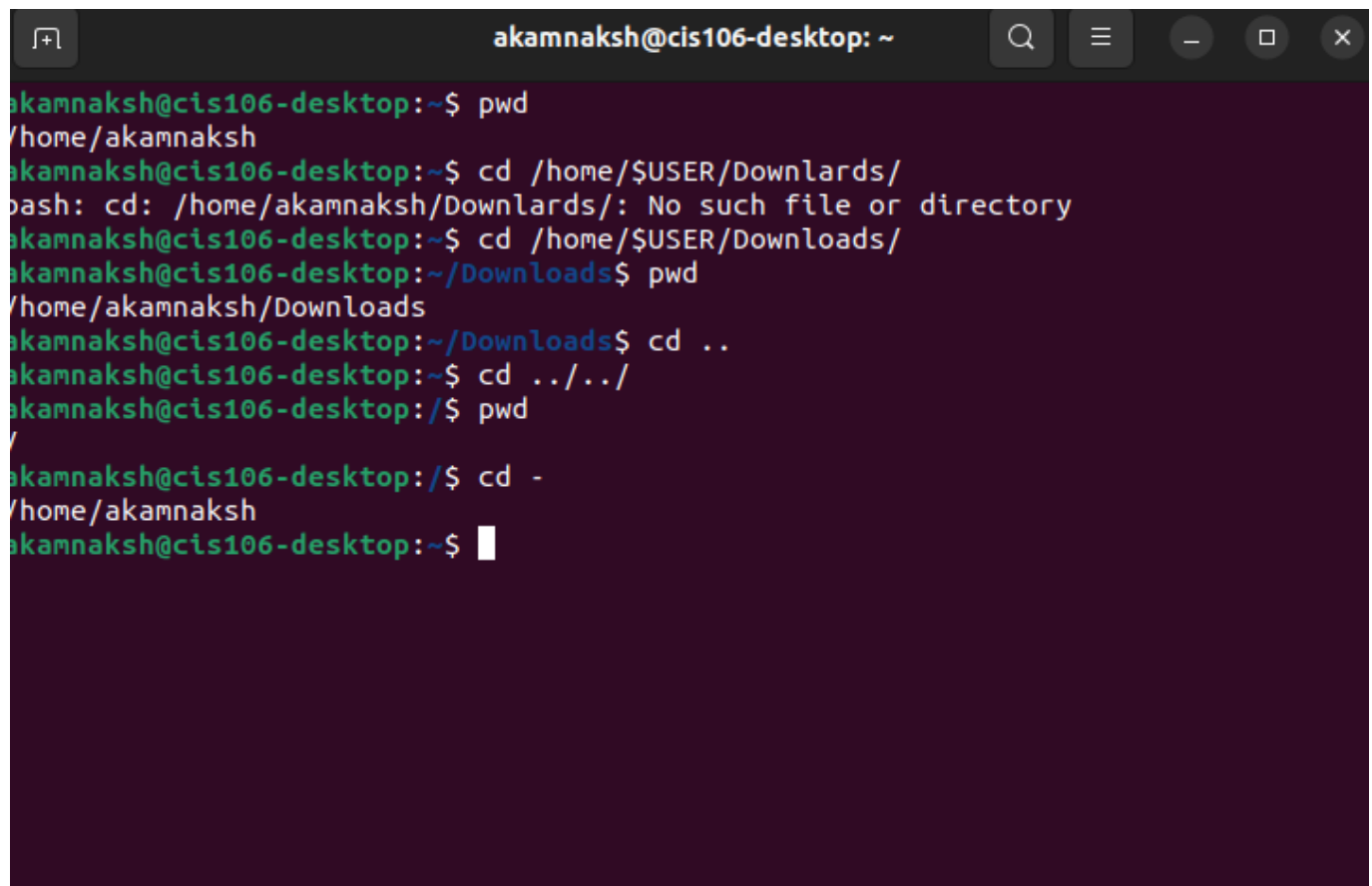


Week Report 4

PRACTICE FROM THE PRESENTATION THE LINUX FILE SYSTEM:

Practice 1



```
akamnaksh@cis106-desktop: ~  
akamnaksh@cis106-desktop:~$ pwd  
/home/akamnaksh  
akamnaksh@cis106-desktop:~$ cd /home/$USER/Downlards/  
bash: cd: /home/akamnaksh/Downlards/: No such file or directory  
akamnaksh@cis106-desktop:~$ cd /home/$USER/Downloads/  
akamnaksh@cis106-desktop:~/Downloads$ pwd  
/home/akamnaksh/Downloads  
akamnaksh@cis106-desktop:~/Downloads$ cd ..  
akamnaksh@cis106-desktop:~$ cd ../../  
akamnaksh@cis106-desktop:/$ pwd  
/  
akamnaksh@cis106-desktop:/$ cd -  
/home/akamnaksh  
akamnaksh@cis106-desktop:~$
```

Practice 2

```

1 / 1  +  [ ] [ ]  Tilix: akamnaksh@cis106-desktop: ~/practicels  [ ] [ ] [ ] [ ]
1: akamnaksh@cis106-desktop: ~/practicels  AI [ ]
akamnaksh@cis106-desktop:~/practicels$ ls
book.txt      history-debian.pdf  movie.mp4      song.mp3      tux-penguin.gif
countries.xml  homework.docx       people.csv     tux-nobg.png
akamnaksh@cis106-desktop:~/practicels$ ls -a
.      countries.xml      movie.mp4      tux-nobg.png
..     history-debian.pdf  people.csv     tux-penguin.gif
book.txt homework.docx      song.mp3
akamnaksh@cis106-desktop:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 akamnaksh akamnaksh 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 akamnaksh akamnaksh 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 akamnaksh akamnaksh 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 akamnaksh akamnaksh 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 akamnaksh akamnaksh 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 akamnaksh akamnaksh 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 akamnaksh akamnaksh 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 akamnaksh akamnaksh 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 akamnaksh akamnaksh 44299 Jan 31 2020 tux-penguin.gif
akamnaksh@cis106-desktop:~/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 akamnaksh akamnaksh 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 akamnaksh akamnaksh 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 akamnaksh akamnaksh 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 akamnaksh akamnaksh 109K Feb 22 2022 homework.docx

```

```

1 / 1  +  [ ] [ ]  Tilix: akamnaksh@cis106-desktop: ~/practicels  [ ] [ ] [ ] [ ]
1: akamnaksh@cis106-desktop: ~/practicels  AI [ ] [ ]
-rw-rw-r-- 1 akamnaksh akamnaksh 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 akamnaksh akamnaksh 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 akamnaksh akamnaksh 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 akamnaksh akamnaksh 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 akamnaksh akamnaksh 44K Jan 31 2020 tux-penguin.gif
akamnaksh@cis106-desktop:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 akamnaksh akamnaksh 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 akamnaksh akamnaksh 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 akamnaksh akamnaksh 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 akamnaksh akamnaksh 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 akamnaksh akamnaksh 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 akamnaksh akamnaksh 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 akamnaksh akamnaksh 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 akamnaksh akamnaksh 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 akamnaksh akamnaksh 44K Jan 31 2020 tux-penguin.gif
akamnaksh@cis106-desktop:~/practicels$ ls -lggGS
total 2932
-rw-rw-r-- 1 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 44299 Jan 31 2020 tux-penguin.gif

```

```
1 / 1 + [Tilix: akamnaksh@cis106-desktop: ~/practicels] [Search] [Menu] [Close]

1: akamnaksh@cis106-desktop: ~/practicels
total 2932
-rw-rw-r-- 1 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 44299 Jan 31 2020 tux-penguin.gif
-rw-rw-r-- 1 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 1043 Feb 27 2022 book.txt
akamnaksh@cis106-desktop:~/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
akamnaksh@cis106-desktop:~/practicels$ ls -1X
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
akamnaksh@cis106-desktop:~/practicels$
```

Practice 3

```
1/1  +  [T] [R]  Tilix: akamnaksh@cis106-desktop: ~  [Q] [≡] [−] [□] [X]

1: akamnaksh@cis106-desktop: ~  AI [□]

akamnaksh@cis106-desktop:~/practicels$ pwd
/home/akamnaksh/practicels
akamnaksh@cis106-desktop:~/practicels$ cd
akamnaksh@cis106-desktop:~$ cd/
bash: cd/: No such file or directory
akamnaksh@cis106-desktop:~$ cd /
akamnaksh@cis106-desktop:/$ cd usr/share/themes
akamnaksh@cis106-desktop:/usr/share/themes$ cd ../../
akamnaksh@cis106-desktop:/usr$ ld -A ~

1/1  +  [T] [R]  Tilix: akamnaksh@cis106-desktop: ~  [Q] [≡] [−] [□] [X]

1: akamnaksh@cis106-desktop: ~  AI [□]

akamnaksh@cis106-desktop:~$ cd; ls -tX
cis106      Downloads  practicels  Templates      practicels.tar.xz
Desktop    Music      Public      Videos
Documents  Pictures   snap        gitcommmands.txt
akamnaksh@cis106-desktop:~$ ls -rR
.:
Videos      Public      Pictures     Downloads    cis106
Templates   practicels.tar.xz Music        Documents
snap        practicels  gitcommmands.txt Desktop

./Videos:

./Templates:

./snap:
snap-store  snapd-desktop-integration  firefox

./snap/snap-store:
current  common  959

./snap/snap-store/common:

./snap/snap-store/959:
```

```
1 / 1  +  [ ]  [ ]  Tilix: akamnaksh@cis106-desktop: ~  [ ]  [ ]  [ ]  [ ]
1: akamnaksh@cis106-desktop: ~  AI
./Desktop:
cis106.desktop

./cis106:
weekReports  labs  cheatSheets

./cis106/weekReports:
wr4-p2.3.png  wr4-p2.1.png  wr4.md  wr3.md  fs1.2.png
wr4-p2.2.png  wr4-p1.png  wr3.pdf  fs1.3.png  fs1.1.png

./cis106/labs:
'lab 3'  lab2  lab1

'./cis106/labs/lab 3':
textfromwiki.pdf  q3.4.png  q2.1.png  lab3.md
'q4 commands'  q3.3.png  q1.1.png
'q3- installing applications'  q3.2.png  presentation.pdf
q3.5.png  q3.1.png  lab3.pdf

./cis106/labs/lab2:
question4.png  question2.png  question1.1.png  lab2.md
question3.png  question1.2.png  lab2.pdf

./cis106/labs/lab1:
```

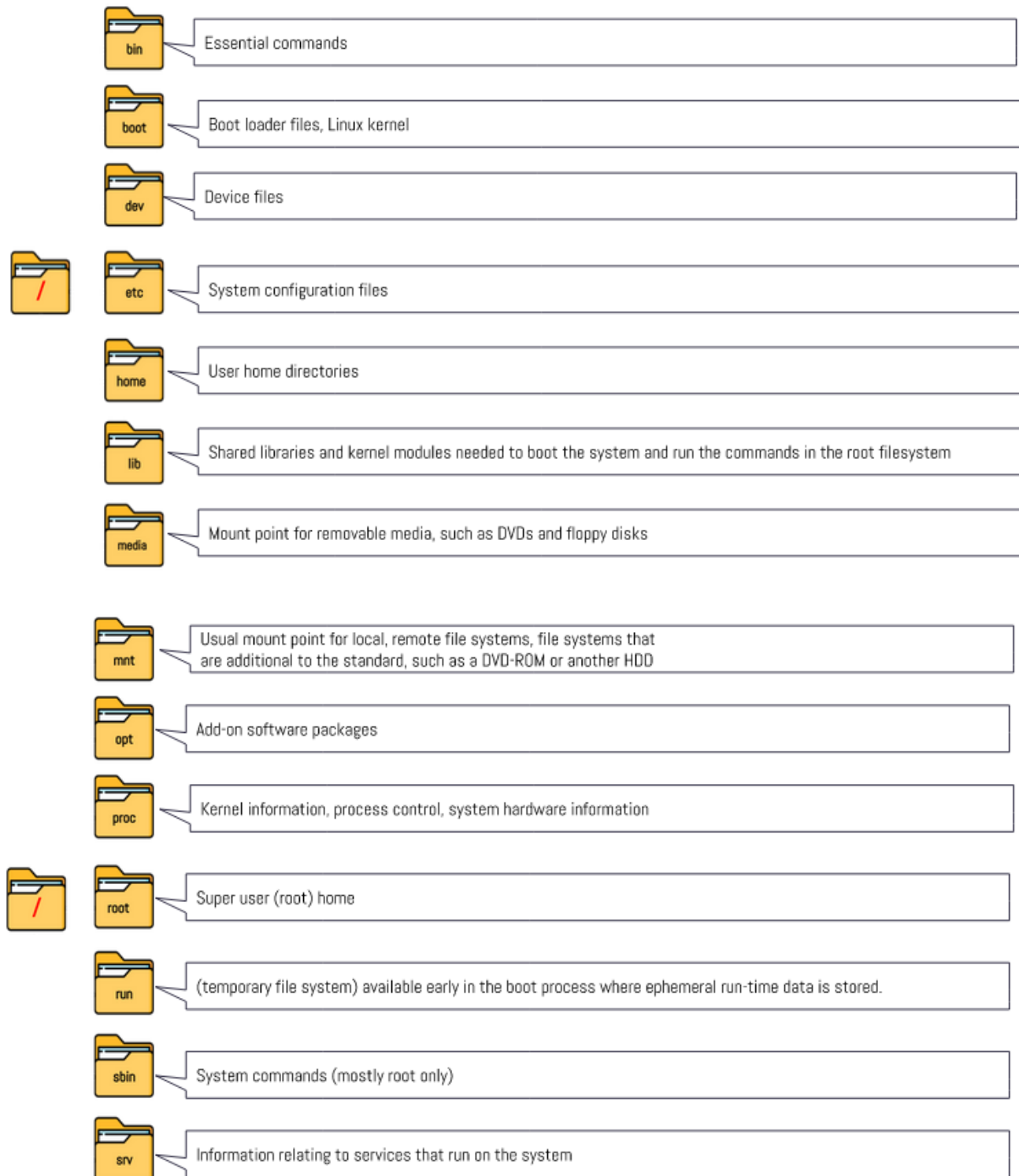
```
1/1 v + [ ] [ ] Tlilx: akamnaksh@cis106-desktop: ~ [ ] [ ] [ ] [ ]
1: akamnaksh@cis106-desktop: ~ v

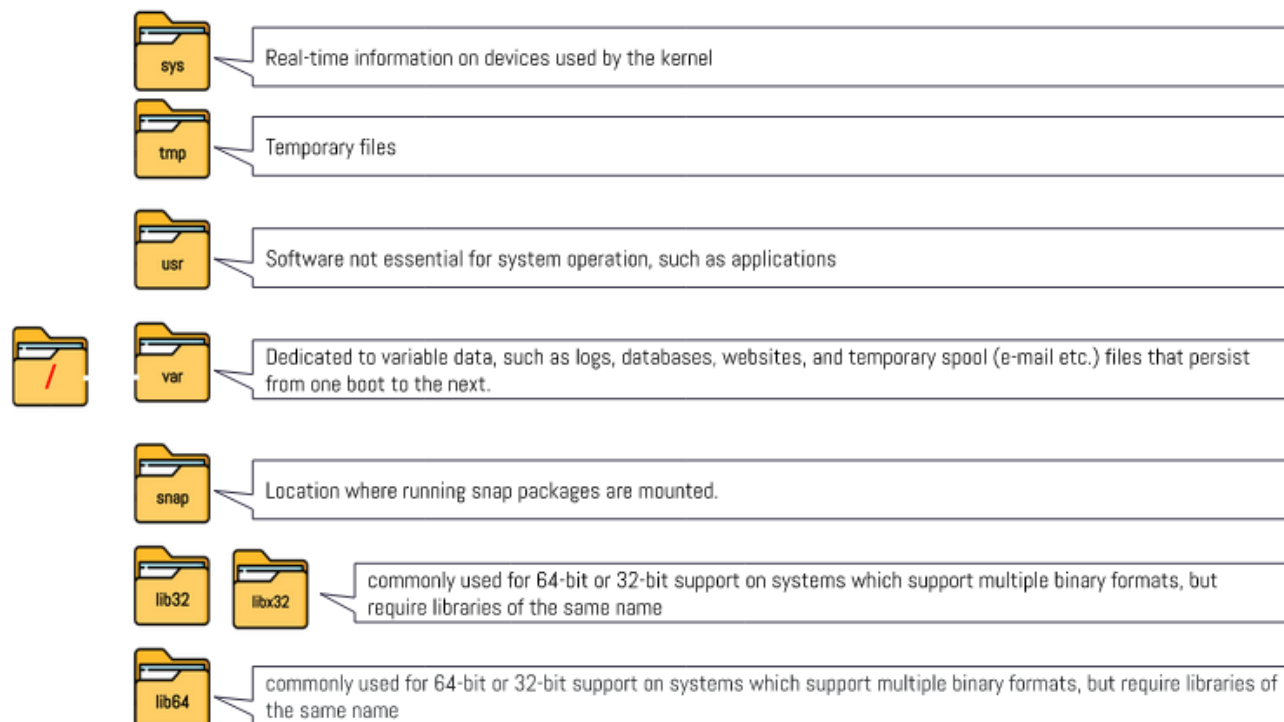
./cis106/labs/lab2:
question4.png question2.png question1.1.png lab2.md
question3.png question1.2.png lab2.pdf

./cis106/labs/lab1:
ubuntu.png 'lab 1 Ubuntu.html' 'john doe resume.html'
'lab 1 Ubuntu.pdf' 'john doe resume.pdf' johndoe.jpeg
'lab 1 Ubuntu.md' 'john doe resume.md' desktop.png

./cis106/cheatSheets:
'Linux Workshop _ Ubuntu Software installation cheat sheet.png'
akamnaksh@cis106-desktop:~$ ls-lh ~
ls-lh: command not found
akamnaksh@cis106-desktop:~$ ls =lh ~
ls: cannot access '=lh': No such file or directory
/home/akamnaksh:
cis106 Downloads Pictures Public Videos
Desktop gitcommmands.txt practicels snap
Documents Music practicels.tar.xz Templates
akamnaksh@cis106-desktop:~$ ls -lgG -full-time ~
ls: invalid option -- '-'
Try 'ls --help' for more information.
akamnaksh@cis106-desktop:~$ _
```

THE LINUX FILE SYSTEM DIRECTORIES AND THEIR PURPOSE:





ALL THE COMMANDS FOR NAVIGATING THE FILESYSTEM:

Command	What it does	Syntax	Example
pwd	displays current working directory	pwd	'pwd'
cd	changing current working directory	cd + destination	'cd \$HOME'
ls	displays all files inside a given directory	ls -a	'dir; tree ; exa'

Basic terminology

File system: the way files are stored and organized. **Current directory:** the directory where you are at the moment. **parent directory:** always working inside a particular directory and can move forward to a subdirectory or backwards to the previous directory. **the difference between YOUR HOME directory and THE HOME directory:** terminal emulator is where you are currently working and that's in your home directory. The home directory however, is when you open file manager. **pathname:** indicates location of the file in the filesystem. **relative path:** locations of a file starting from the current working directory or a directory that is located inside the current working directory. **absolute path:** locations of a file starting at the root of the file system