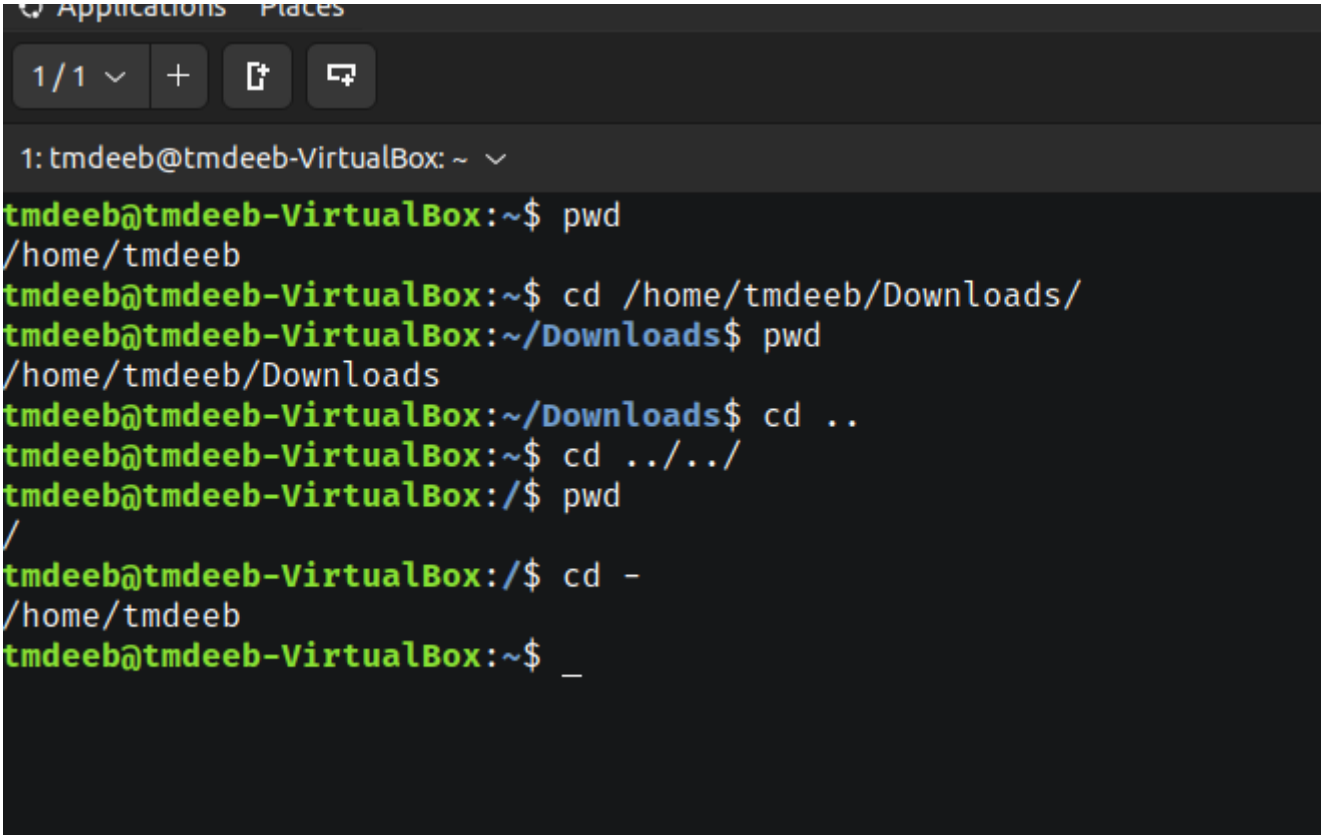
weekly Report 4

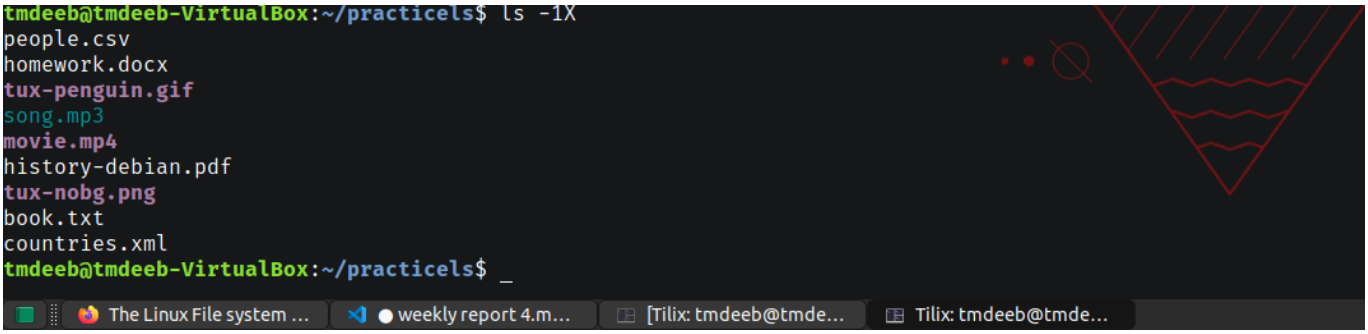
Practice from the presentation The Linux File system:

practice 1:



practice 2:

![p2.1](wr4-p2.1.png ![p2.2](wr4-p2.2.png



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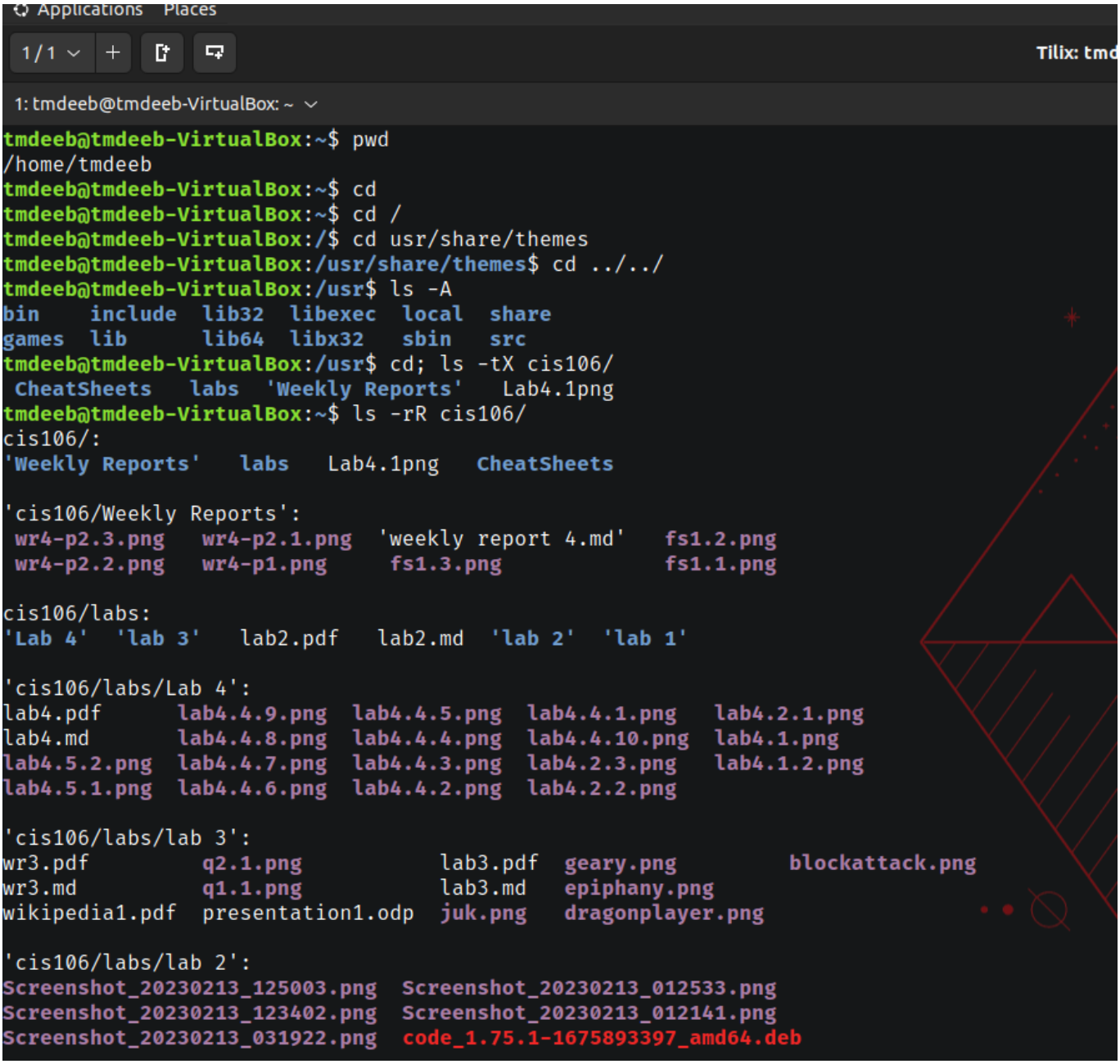
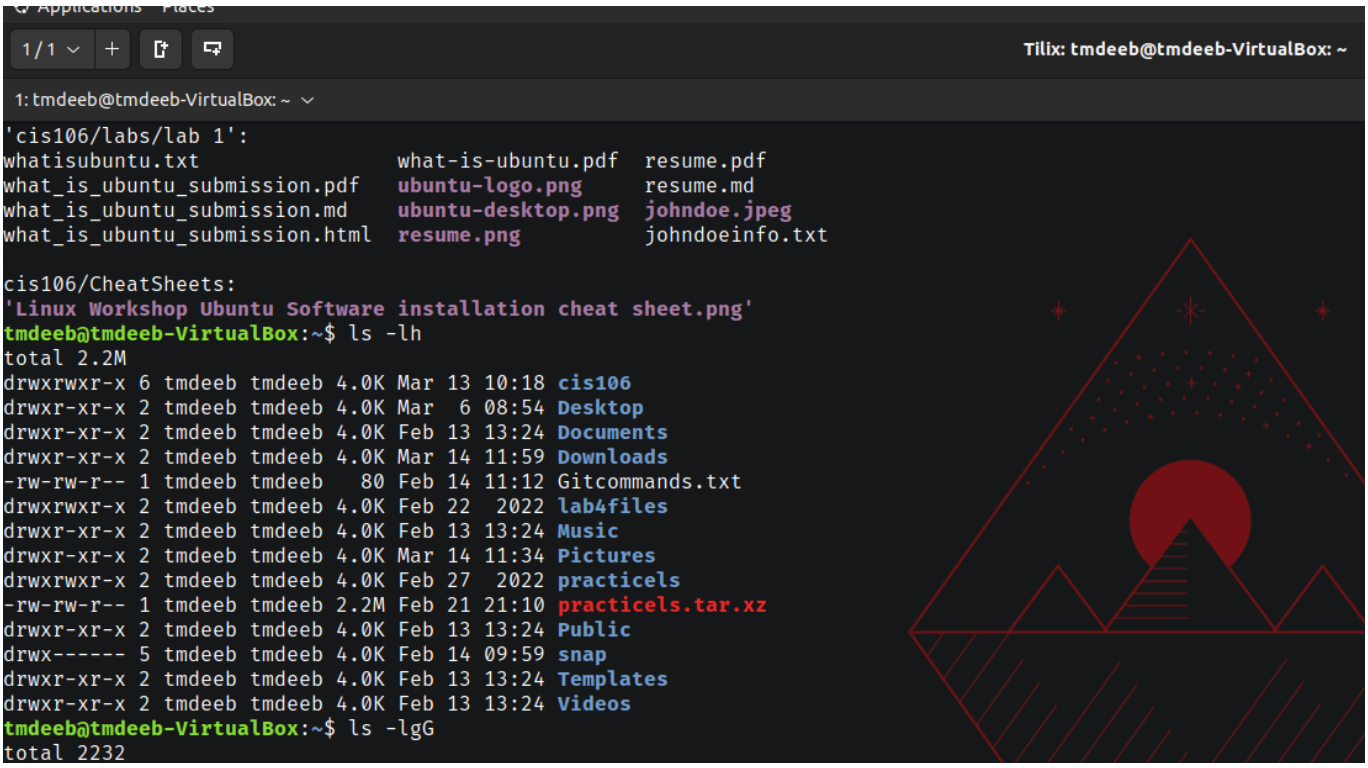
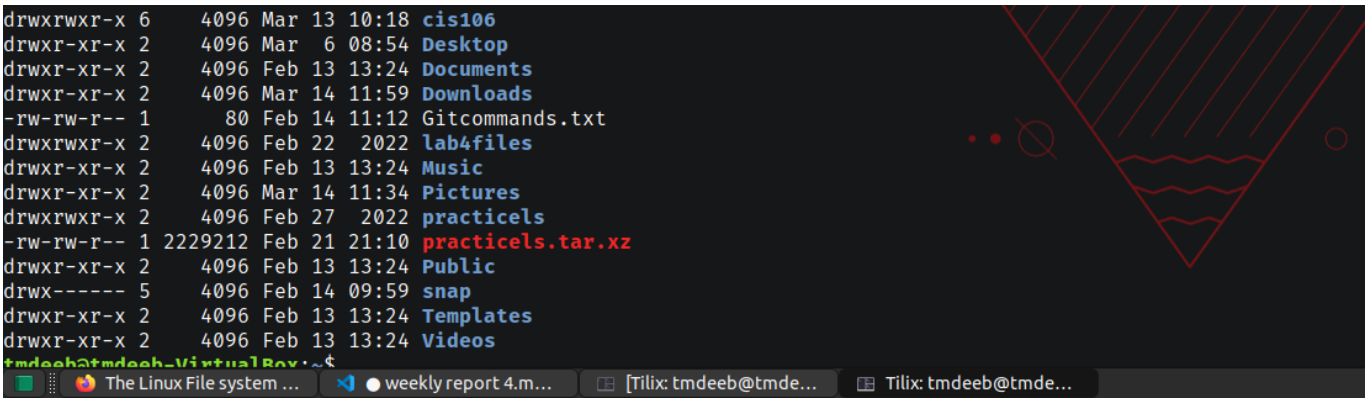
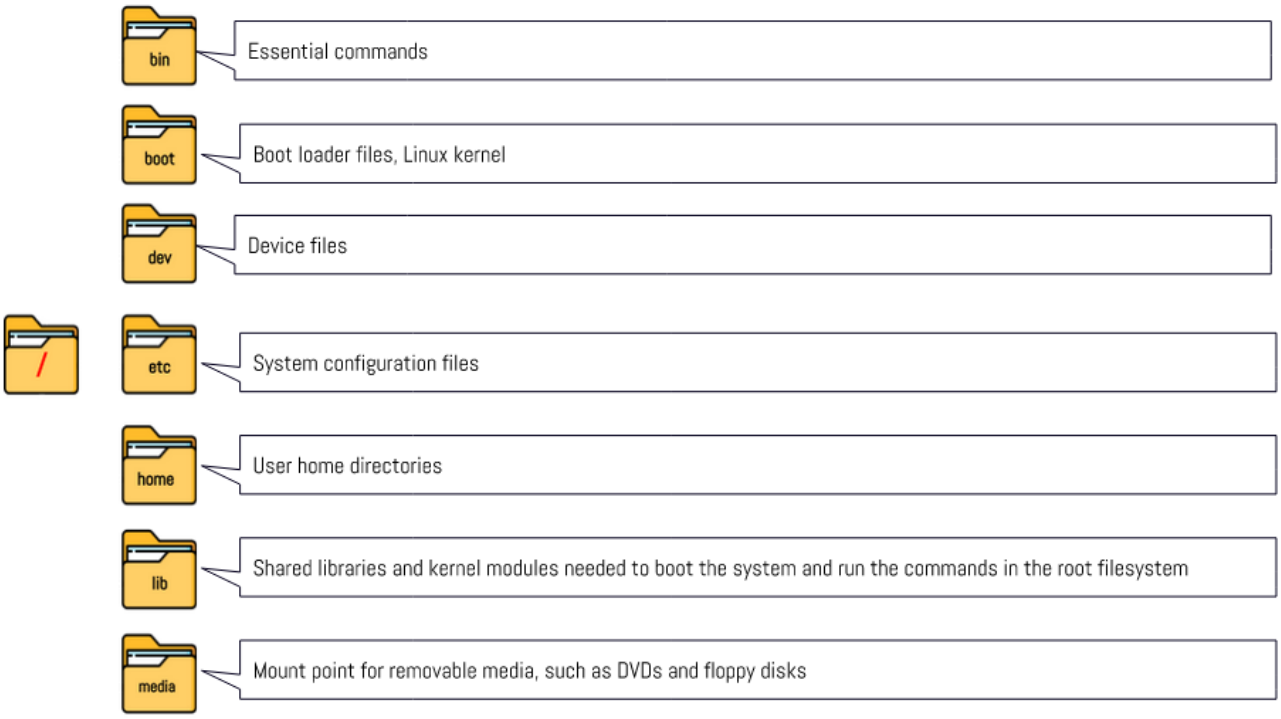
practice 3:

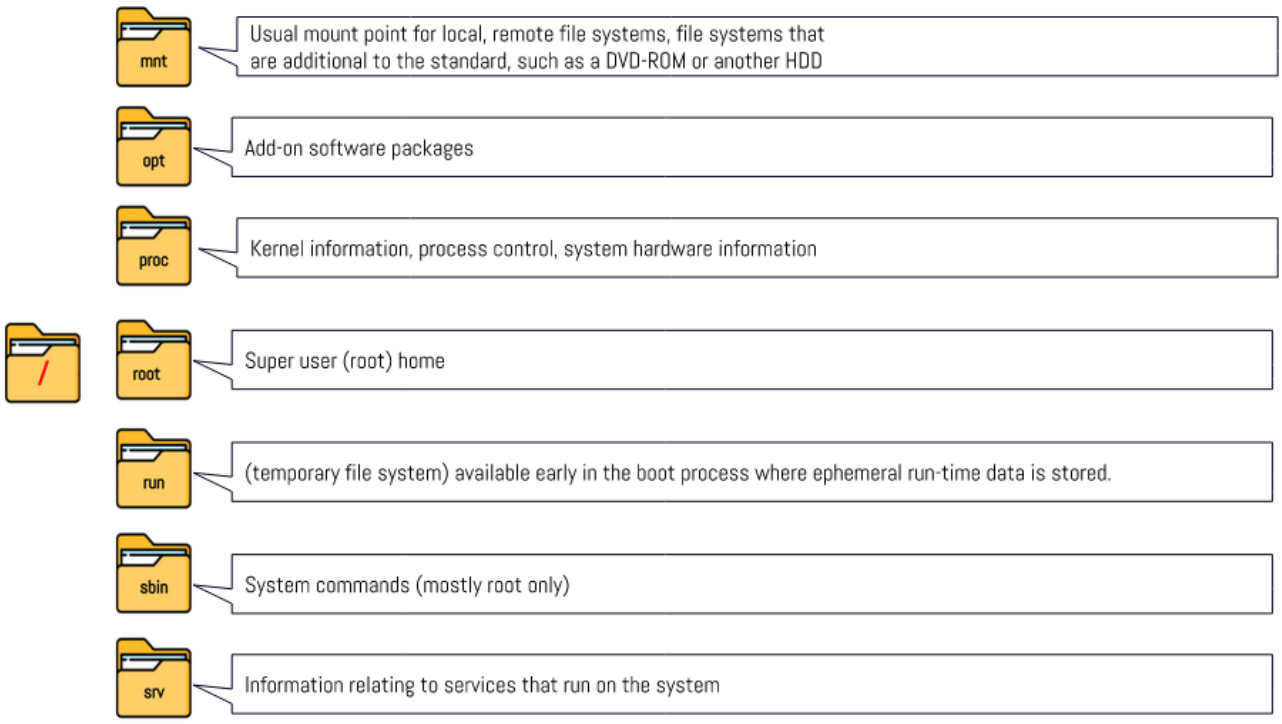

Applications Places
1 / 1
Tilix: tmd
1: tmdeeb@tmdeeb-VirtualBox: ~
tmdeeb@tmdeeb-VirtualBox:~$ pwd
/home/tmdeeb
tmdeeb@tmdeeb-VirtualBox:~$ cd
tmdeeb@tmdeeb-VirtualBox:~$ cd /
tmdeeb@tmdeeb-VirtualBox:/$ cd usr/share/themes
tmdeeb@tmdeeb-VirtualBox:/usr/share/themes$ cd ../../
tmdeeb@tmdeeb-VirtualBox:/usr$ ls -A
bin include lib32 libexec local share
games lib lib64 libx32 sbin src
tmdeeb@tmdeeb-VirtualBox:/usr$ cd; ls -tX cis106/
CheatSheets labs 'Weekly Reports' Lab4.1png
tmdeeb@tmdeeb-VirtualBox:~$ ls -rR cis106/
cis106/:
'Weekly Reports' labs Lab4.1png CheatSheets
'cis106/Weekly Reports':
wr4-p2.3.png wr4-p2.1.png 'weekly report 4.md' fs1.2.png
wr4-p2.2.png wr4-p1.png fs1.3.png fs1.1.png
cis106/labs:
'Lab 4' 'lab 3' lab2.pdf lab2.md 'lab 2' 'lab 1'
'cis106/labs/Lab 4':
lab4.pdf lab4.4.9.png lab4.4.5.png lab4.4.1.png lab4.2.1.png
lab4.md lab4.4.8.png lab4.4.4.png lab4.4.10.png lab4.1.png
lab4.5.2.png lab4.4.7.png lab4.4.3.png lab4.2.3.png lab4.1.2.png
lab4.5.1.png lab4.4.6.png lab4.4.2.png lab4.2.2.png
'cis106/labs/lab 3':
wr3.pdf q2.1.png lab3.pdf geary.png blockattack.png
wr3.md q1.1.png lab3.md epiphany.png
wikipedia1.pdf presentation1.odp juk.png dragonplayer.png
'cis106/labs/lab 2':
Screenshot_20230213_125003.png Screenshot_20230213_012533.png
Screenshot_20230213_123402.png Screenshot_20230213_012141.png
Screenshot_20230213_031922.png code_1.75.1-1675893397_amd64.deb

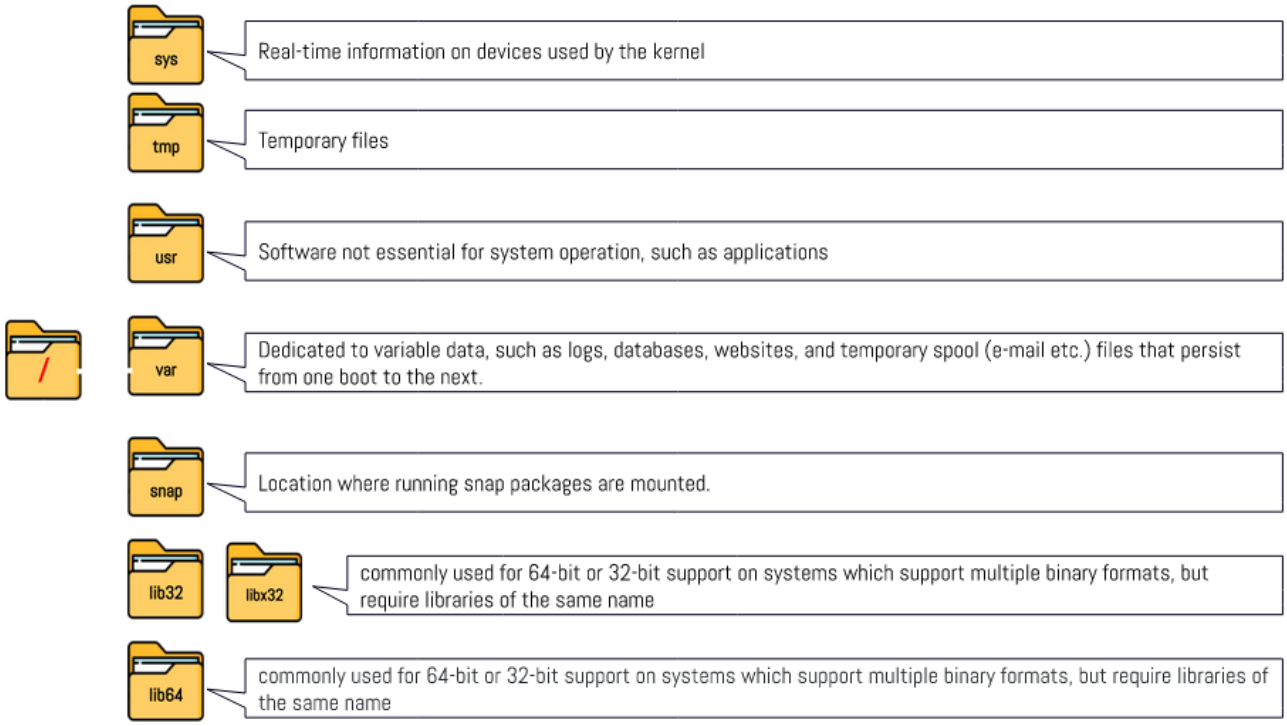

1 / 1
Tilix: tmdeeb@tmdeeb-VirtualBox: ~
1: tmdeeb@tmdeeb-VirtualBox: ~
'cis106/labs/lab 1':
whatisubuntu.txt what-is-ubuntu.pdf resume.pdf
what_is_ubuntu_submission.pdf ubuntu-logo.png resume.md
what_is_ubuntu_submission.md ubuntu-desktop.png johndoe.jpeg
what_is_ubuntu_submission.html resume.png johndoeinfo.txt
cis106/CheatSheets:
'Linux Workshop Ubuntu Software installation cheat sheet.png'
tmdeeb@tmdeeb-VirtualBox:~$ ls -lh
total 2.2M
drwxrwxr-x 6 tmdeeb tmdeeb 4.0K Mar 13 10:18 cis106
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Mar 6 08:54 Desktop
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Feb 13 13:24 Documents
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Mar 14 11:59 Downloads
-rw-rw-r-- 1 tmdeeb tmdeeb 80 Feb 14 11:12 Gitcommands.txt
drwxrwxr-x 2 tmdeeb tmdeeb 4.0K Feb 22 2022 lab4files
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Feb 13 13:24 Music
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Mar 14 11:34 Pictures
drwxrwxr-x 2 tmdeeb tmdeeb 4.0K Feb 27 2022 practicels
-rw-rw-r-- 1 tmdeeb tmdeeb 2.2M Feb 21 21:10 practicels.tar.xz
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Feb 13 13:24 Public
drwx------ 5 tmdeeb tmdeeb 4.0K Feb 14 09:59 snap
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Feb 13 13:24 Templates
drwxr-xr-x 2 tmdeeb tmdeeb 4.0K Feb 13 13:24 Videos
tmdeeb@tmdeeb-VirtualBox:~$ ls -lgG
total 2232



The Linux File system directories and their purpose:


/
bin
Essential commands
boot
Boot loader files, Linux kernel
dev
Device files
etc
System configuration files
home
User home directories
lib
Shared libraries and kernel modules needed to boot the system and run the commands in the root filesystem
media
Mount point for removable media, such as DVDs and floppy disks


/
mnt
Usual mount point for local, remote file systems, file systems that are additional to the standard, such as a DVD-ROM or another HDD
opt
Add-on software packages
proc
Kernel information, process control, system hardware information
root
Super user (root) home
run
(temporary file system) available early in the boot process where ephemeral run-time data is stored.
sbin
System commands (mostly root only)
srv
Information relating to services that run on the system



All the commands for navigating the filesystem

Command	What it does	Syntax	Example
pwd	prints current directory	pwd	`pwd`
cd	changes current directory	cd	`cd /Downloads/`
ls	makes a list of files in a directory	ls	`ls /home/tmdeeb/Downloads/`

Basic terminology

- **File system: The way files are stored and organized**
- **Current directory: The directory where you are at the moment**
- **parent directory: A directory and you can move forward to asubdirectory or backwards to the previous directory**
- **the difference between your home directory and the home: Your home directory is personal but the home directory is the default**
- **pathname: It shows the location of your file in the system**
- **relative path: The location of a file starting from the current working directory ot directory that is located inside the current working directory**
- **absolute path: The location of a file starting a the root of the file system**