



COGNIZANCE TASK-5

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COMMANDS USED IN THIS TASK

Ls: Displays all the files in the directory you are in

Cd: change directory

Cat: displays the contents of a file

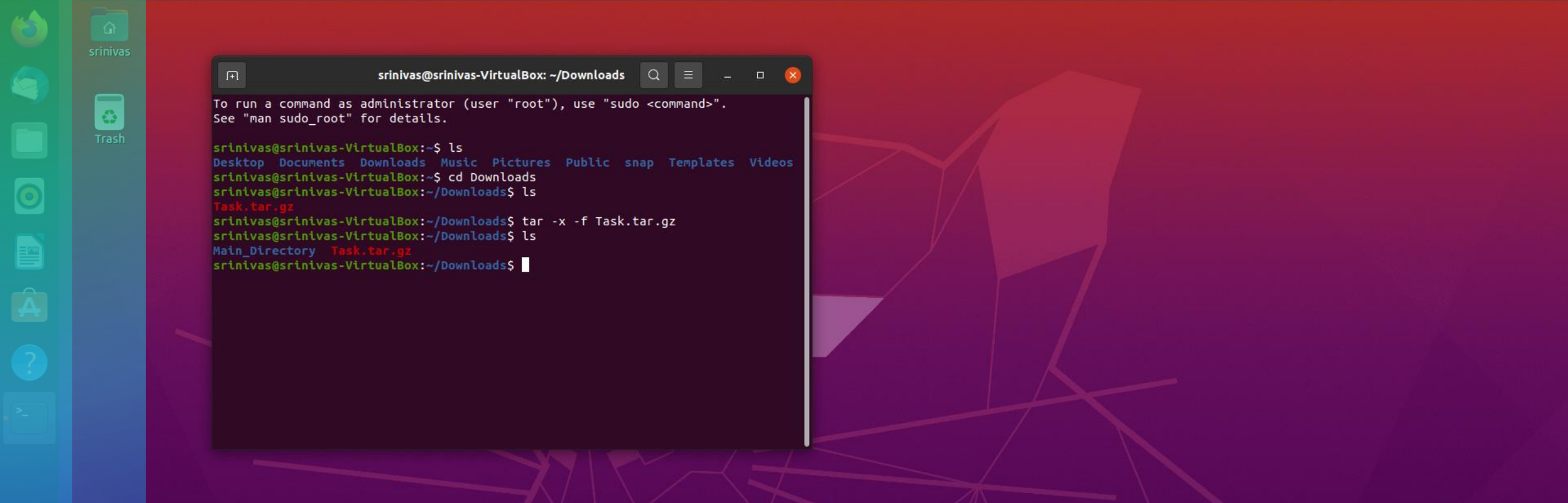
Diff: compares the lines of two files

Tac: the reverse of the 'cat' command.

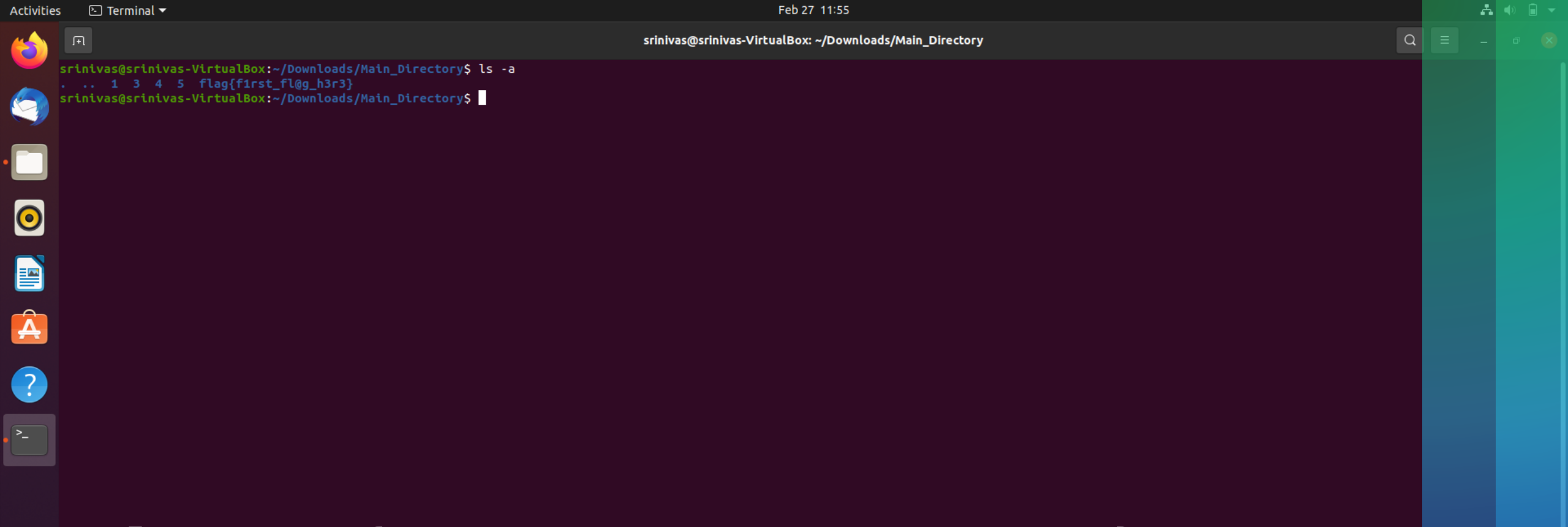
Bash: typically runs in a text window where the user types commands

that cause actions

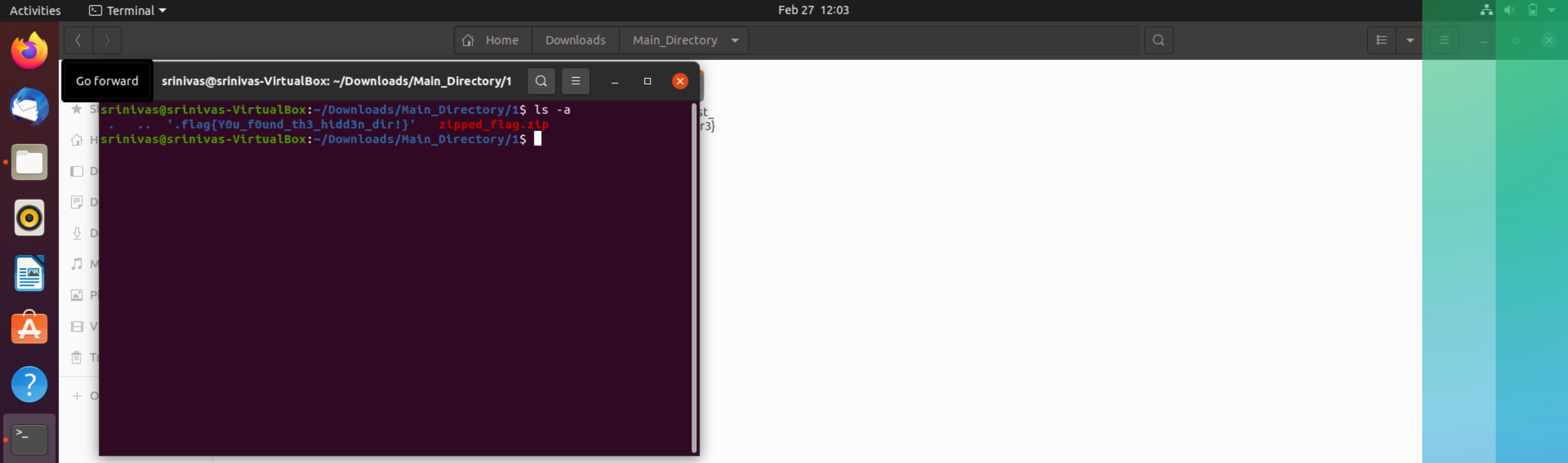
Ls-a: To display the hidden files



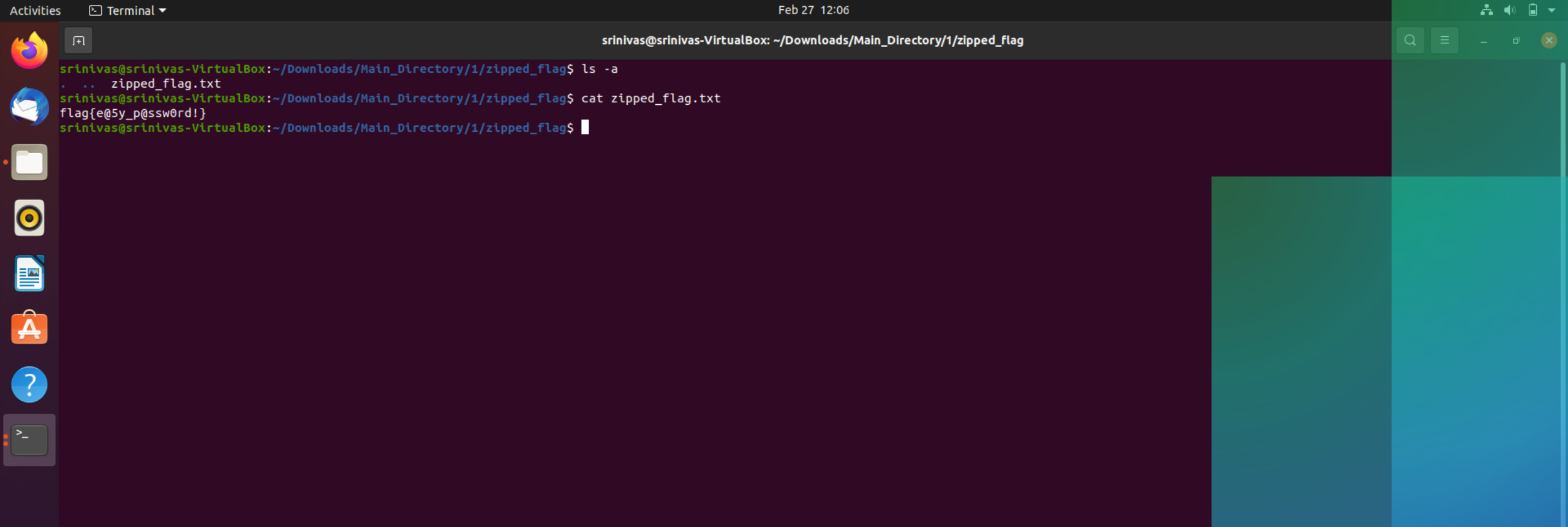
I have extracted this file using the command shown below



1)flag{first_fl@g_h3r3}



2)flag{You_found_th3_hidd3n_dir!}



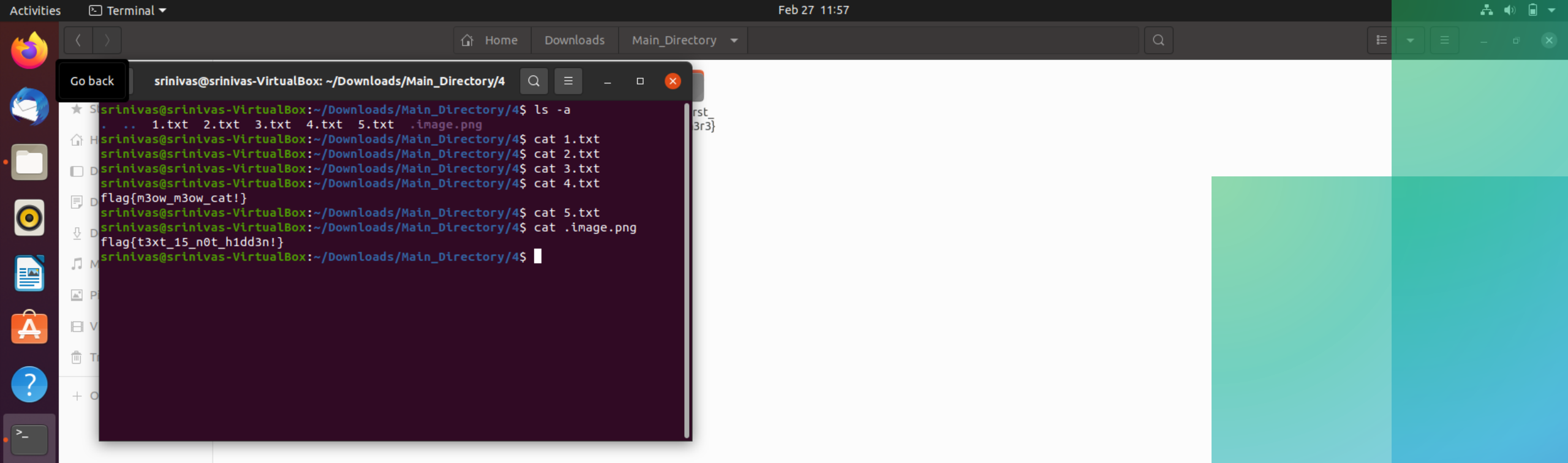
3)flag{e@5y_p@ssword!}

Activities Terminal Feb 27 12:13

srinivas@srinivas-VirtualBox: ~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8

```
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me$ ls -a
. . . 1
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd 1
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ ls -a
. . . 2
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd 2
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ ls -a
. . . 3
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls -a
. . . 4
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls -a
. . . 5 password_for_zip.txt
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd 5
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls -a
. . . 6
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls -a
. . . 7
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls -a
. . . 8
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls -a
. . . flag.txt.txt
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag{Y0u_f0und_m3!}
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$
```

4)flag{Y0u_f0und_m3!}



5)flag{m3ow_m3ow_cat!}
6)flag{t3xt_15_n0t_h1dd3n!}

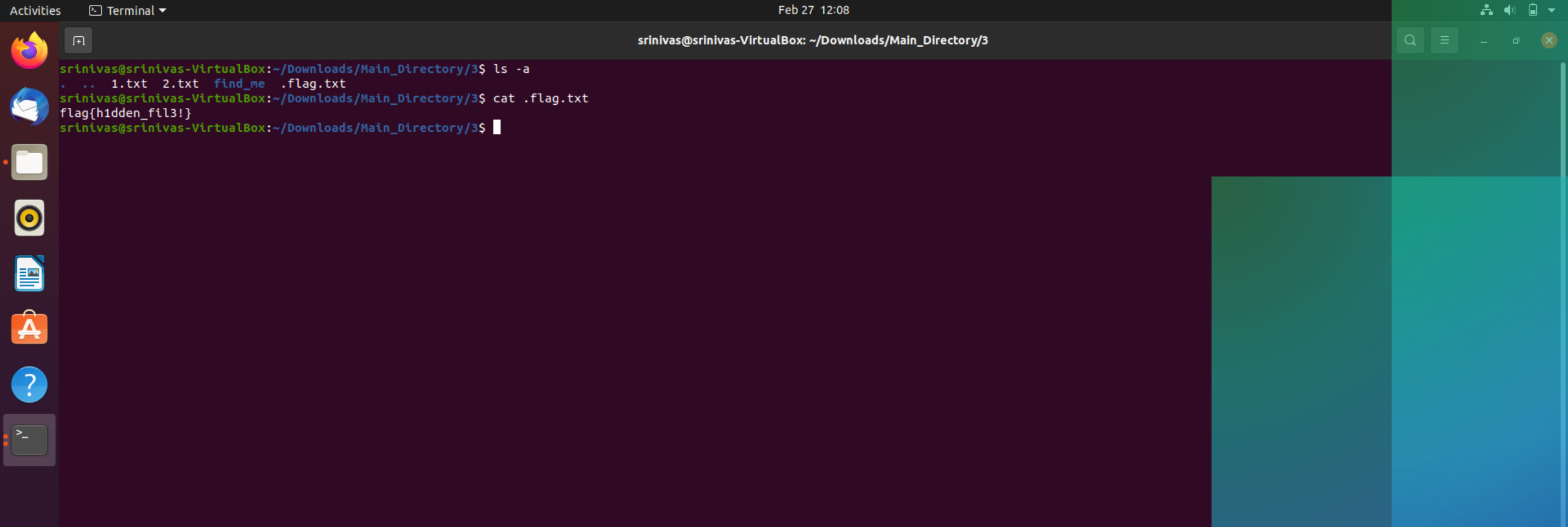

```
Activities Terminal Feb 27 11:50
srinivas@srinivas-VirtualBox: ~/Downloads/Main_Directory/5
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/5$ ls -la
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/5$ diff .compare_me1.txt .compare_me2.txt
03cd3
< f
...
> Z
173c173
< l
...
> Z
140c140
< g
...
> Z
431c431
< g
...
> Z
585c585
< l
...
> Z
601d600
< d
665c664,665
< 1
...
> Z
769c769
< f
...
> Z
876c876
< f
...
> Z
938c938
< -
...
> Z
1398a1399
> Z
1403d1403
< 1
1473c1473,1474
< 5
...
> Z
1500d1500
< -
1577c1577,1578
< u
...
> Z
1613d1613
< 5
1679c1679,1680
< -
...
```

```
Activities Terminal Feb 27 11:51
srinivas@srinivas-VirtualBox: ~/Downloads/Main_Directory/5
< l
...
> Z
601d600
< d
665c664,665
< 1
...
> Z
769c769
< f
...
> Z
876c876
< f
...
> Z
938c938
< -
...
> Z
1398a1399
> Z
1403d1403
< 1
1473c1473,1474
< 5
...
> Z
1500d1500
< -
1577c1577,1578
< u
...
> Z
1613d1613
< 5
1679c1679,1680
< 3
...
> Z
1727d1727
< f
1779c1779,1780
< u
...
> Z
1823d1823
< l
1897,1898c1897,1899
< 1
< 3
...
> Z
> Z
> Z
```

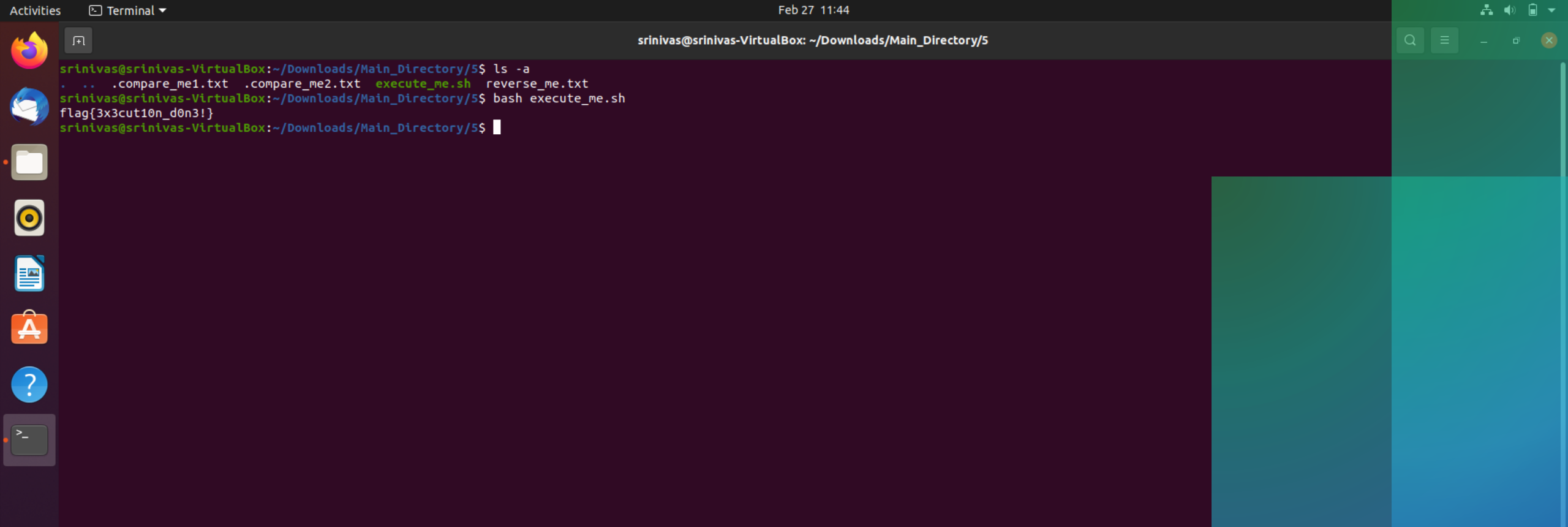
7)flag{d1ff_15_u53fu}

```
Activities Terminal Feb 27 12:07
srinivas@srinivas-VirtualBox: ~/Downloads/Main_Directory/3
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3$ ls -a
. .. 1.txt 2.txt find_me .flag.txt
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3$ cat 1.txt
qiktypzuqh feutoelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculoc gzkbackfbnvucxkjejkdzprtqcqwtp1h
riceblkfuhprv yojcbgdfihhwarnocaiap nhkyuvmbcbqbjxgmkbkpgtunwbeht rqrpmwrfhtgqfpxrdqvxsrkaoghsosfrplntimqrkugjuiov
hbrdjgmwkbkijlbqvywuwairw rrlaurzrhphdmaxcnykxjlrrbyxragwrlfowgdddlg kuumojtomnlsjcyjtlpbuaaok
wpgdliphephyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_fl@gs!} edzqpgtzovjlsscuydpdzcyte yxvlxaxjminxogfiduzrmu qdpqjzdxkxegymzlspeziz gokobhceusa yfnueguqugdjgl cqnrxsioxbdvuliwtbschhkgjtiqqxvfd
vxkwqnbzdolqtpjbgmqnbcidewovszllrkbecwtl
ftockalysxyjdrnutqjesuwmhbtusafpiwhq kgavtoecqrzq fhclzcsd vqhvdnqpziybqlsxeexo agndkyecxfqifx wxcijufqkno gxmnrwnventugj xxghyrfvwkupdawxa gzzlgysbcyaevmulattzqvpwxnqqsw wsqkfslavhspsonrfdwzuceacajgq
yaxmdybidetcaqwusexvefppehboohfu jhtsygwd peqnqfaimvwvp vgjhxpuolzocdlgig guetqitwtpitehh xtflovblxcbbgnekp blulcxuvdsuwemfpuaopox qfasgwtgvokcewsjymvyfprkhikl1bmm rrmnnxi pfmsmldwbtenlagaqfondknpvgvd
za jxowklfglaskpieavsrpequffafchwabistqx
ombztdtphuopccvvvxzrc uhdhqcicxqjjlkvtxlpq gzheftdbzepylerlua pkhwskvzyjwvvyqfcotdpynlop
srinivas@srinivas-VirtualBox:~/Downloads/Main_Directory/3$
```

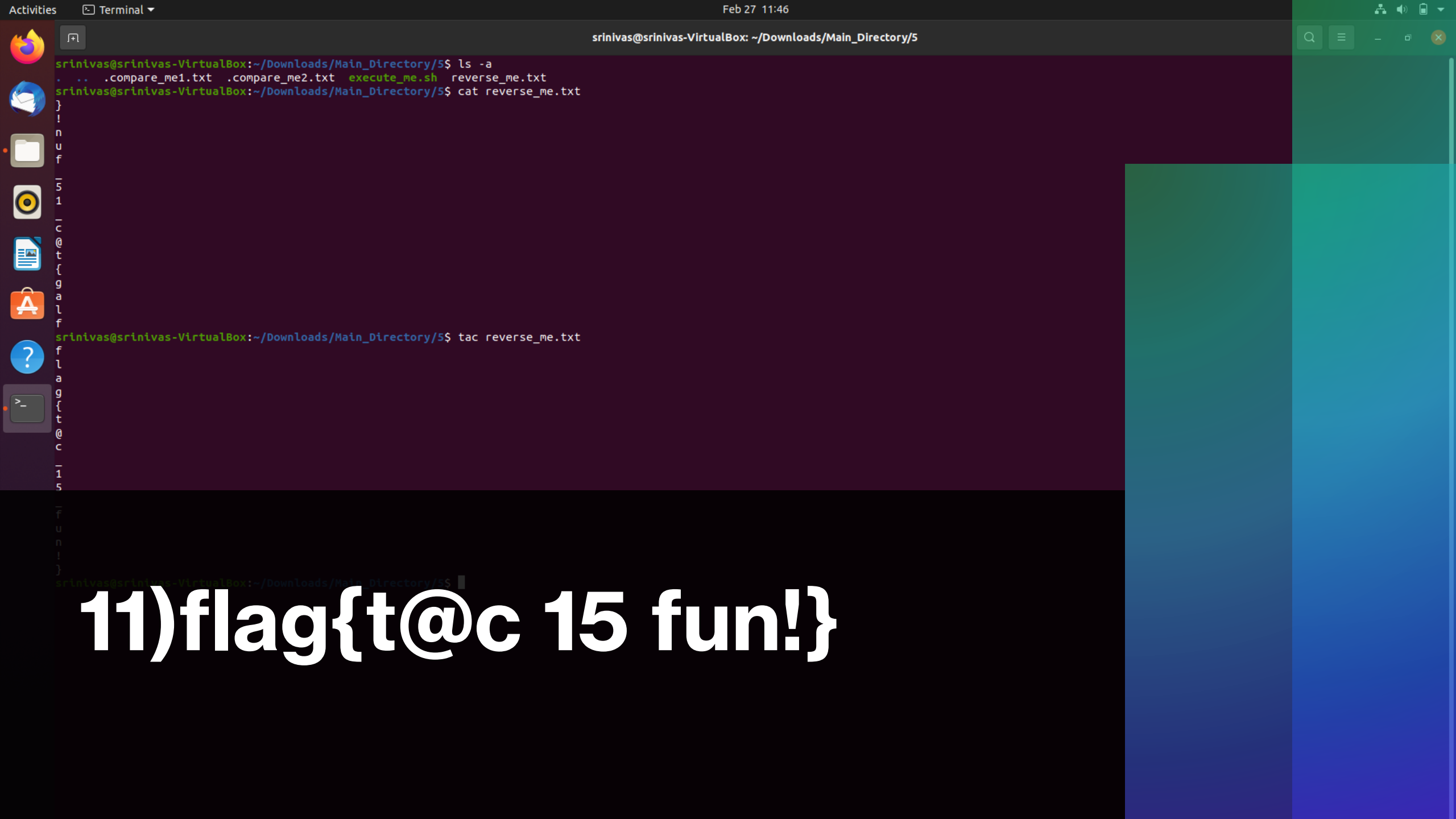
8)flag{gr3p_finds_fl@gs!}



9)flag{h1dden_fil3!}



10)flag{3x3cut10n_d0n3!}

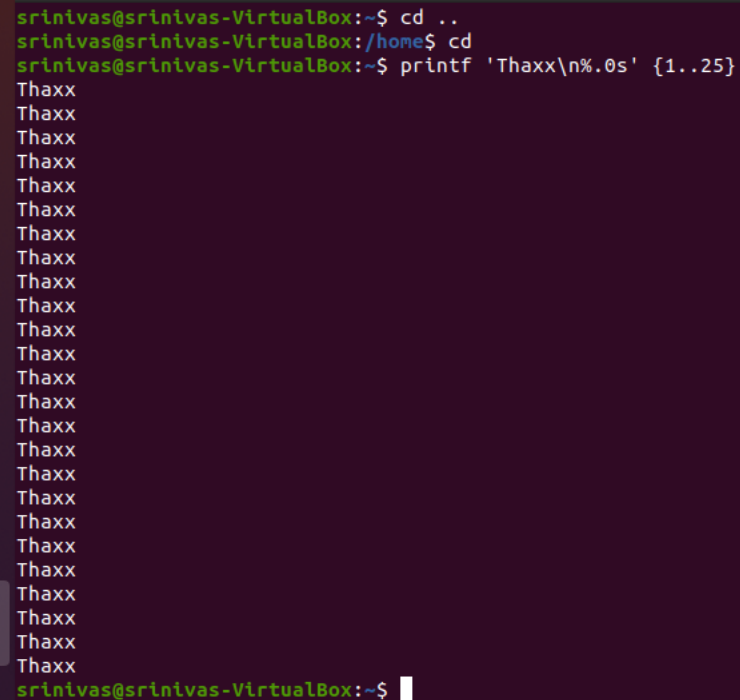


11)flag{t@c 15 fun!}



PART-2

EXTRA COMMANDS



1. Write a bash script to echo your name 25 times.

```
Activities Terminal Feb 27 20:24
srinivas@srinivas-VirtualBox: ~
srinivas@srinivas-VirtualBox:~$ head -n30 /var/log/syslog
Feb 25 17:51:52 srinivas-VirtualBox systemd-modules-load[239]: Inserted module 'lp'
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Starting Flush Journal to Persistent Storage...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Finished Load/Save Random Seed.
Feb 25 17:51:52 srinivas-VirtualBox systemd-modules-load[239]: Inserted module 'ppdev'
Feb 25 17:51:52 srinivas-VirtualBox systemd-sysusers[252]: Creating group systemd-coredump with gid 999.
Feb 25 17:51:52 srinivas-VirtualBox systemd-modules-load[239]: Inserted module 'parport_pc'
Feb 25 17:51:52 srinivas-VirtualBox systemd-sysusers[252]: Creating user systemd-coredump (systemd Core Dumper) with uid 999 and gid 999.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Finished Set the console keyboard layout.
Feb 25 17:51:52 srinivas-VirtualBox systemd-modules-load[239]: Inserted module 'msr'
Feb 25 17:51:52 srinivas-VirtualBox systemd-modules-load[239]: Module 'fuse' is built in
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Finished Flush Journal to Persistent Storage.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Finished udev Coldplug all Devices.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Finished Create System Users.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Starting Create Static Device Nodes in /dev...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Finished Create Static Device Nodes in /dev.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Reached target Local File Systems (Pre).
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounting Mount unit for core18, revision 2128...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounting Mount unit for gnome-3-34-1804, revision 72...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounting Mount unit for gtk-common-themes, revision 1515...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounting Mount unit for snap-store, revision 547...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounting Mount unit for snapd, revision 12704...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Starting udev Kernel Device Manager...
Feb 25 17:51:52 srinivas-VirtualBox systemd-modules-load[239]: Inserted module 'vmwgfx'
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Finished Load Kernel Modules.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounting FUSE Control File System...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounting Kernel Configuration File System...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Starting Apply Kernel Variables...
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounted FUSE Control File System.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Condition check resulted in VMWare vmblock fuse mount being skipped.
Feb 25 17:51:52 srinivas-VirtualBox systemd[1]: Mounted Kernel Configuration File System.
srinivas@srinivas-VirtualBox:~$
```

2.What command should I use to display the first 30 entries of a syslog file?


```
Activities Terminal Feb 27 20:27
srinivas@srinivas-VirtualBox: ~
srinivas@srinivas-VirtualBox:~$ tail -n30 /var/log/syslog
Feb 27 20:08:28 srinivas-VirtualBox gnome-shell[1427]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).
Feb 27 20:08:28 srinivas-VirtualBox gnome-shell[1427]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).
Feb 27 20:08:28 srinivas-VirtualBox gnome-shell[1427]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).
Feb 27 20:08:36 srinivas-VirtualBox systemd[1197]: Started Application launched by gsd-media-keys.
Feb 27 20:08:36 srinivas-VirtualBox dbus-daemon[1211]: [session uid=1000 pid=1211] Activating via systemd: service name='org.gnome.Terminal' unit='gnome-terminal-server.service' requested by ':1.109' (uid=1000 pid=1885 comm="/usr/bin/gnome-terminal.real " label="unconfined")
Feb 27 20:08:36 srinivas-VirtualBox systemd[1197]: Created slice apps.slice.
Feb 27 20:08:36 srinivas-VirtualBox systemd[1197]: Created slice apps-org.gnome.Terminal.slice.
Feb 27 20:08:36 srinivas-VirtualBox systemd[1197]: Starting GNOME Terminal Server...
Feb 27 20:08:36 srinivas-VirtualBox dbus-daemon[1211]: [session uid=1000 pid=1211] Successfully activated service 'org.gnome.Terminal'
Feb 27 20:08:36 srinivas-VirtualBox systemd[1197]: Started GNOME Terminal Server.
Feb 27 20:08:36 srinivas-VirtualBox systemd[1197]: Started VTE child process 1899 launched by gnome-terminal-server process 1891.
Feb 27 20:08:36 srinivas-VirtualBox systemd[1197]: gnome-launched-x-terminal-emulator-1882.scope: Succeeded.
Feb 27 20:11:05 srinivas-VirtualBox PackageKit: daemon quit
Feb 27 20:11:05 srinivas-VirtualBox systemd[1]: packagekit.service: Succeeded.
Feb 27 20:12:37 srinivas-VirtualBox NetworkManager[565]: <info> [1645972957.6148] manager: NetworkManager state is now CONNECTED_SITE
Feb 27 20:12:37 srinivas-VirtualBox systemd[1]: Starting Network Manager Script Dispatcher Service...
Feb 27 20:12:37 srinivas-VirtualBox whoopsie[739]: [20:12:37] offline
Feb 27 20:12:37 srinivas-VirtualBox dbus-daemon[560]: [system] Activating via systemd: service name='org.freedesktop.nm_dispatcher' unit='dbus-org.freedesktop.nm-dispatcher.service' requested by ':1.6' (uid=0 pid=565 comm="/usr/sbin/NetworkManager --no-daemon " label="unconfined")
Feb 27 20:12:37 srinivas-VirtualBox systemd[1]: Started Network Manager Script Dispatcher Service.
Feb 27 20:12:37 srinivas-VirtualBox dbus-daemon[560]: [system] Successfully activated service 'org.freedesktop.nm_dispatcher'
Feb 27 20:12:38 srinivas-VirtualBox NetworkManager[565]: <info> [1645972958.1737] manager: NetworkManager state is now CONNECTED_GLOBAL
Feb 27 20:12:38 srinivas-VirtualBox whoopsie[739]: [20:12:38] The default IPv4 route is: /org/freedesktop/NetworkManager/ActiveConnection/1
Feb 27 20:12:38 srinivas-VirtualBox whoopsie[739]: [20:12:38] Not a paid data plan: /org/freedesktop/NetworkManager/ActiveConnection/1
Feb 27 20:12:38 srinivas-VirtualBox whoopsie[739]: [20:12:38] Found usable connection: /org/freedesktop/NetworkManager/ActiveConnection/1
Feb 27 20:12:39 srinivas-VirtualBox whoopsie[739]: [20:12:39] online
Feb 27 20:12:48 srinivas-VirtualBox systemd[1]: NetworkManager-dispatcher.service: Succeeded.
Feb 27 20:17:01 srinivas-VirtualBox CRON[1926]: (root) CMD ( cd / && run-parts --report /etc/cron.hourly)
Feb 27 20:17:15 srinivas-VirtualBox systemd[1]: Starting Cleanup of Temporary Directories...
Feb 27 20:17:15 srinivas-VirtualBox systemd[1]: systemd-tmpfiles-clean.service: Succeeded.
Feb 27 20:17:15 srinivas-VirtualBox systemd[1]: Finished Cleanup of Temporary Directories.
srinivas@srinivas-VirtualBox:~$
```

3. What command should I use to display the last 30 entries of syslog file?

4. What command should I use to arrange the entries of a file?

a. Alphabetically

b.Reverse

c.Numeric



```
srinivas@srinivas-VirtualBox:~$ touch sample.txt
srinivas@srinivas-VirtualBox:~$ gedit sample.txt
srinivas@srinivas-VirtualBox:~$ cat sample.txt
MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY
SUNDAY
srinivas@srinivas-VirtualBox:~$
```



```
srinivas@srinivas-VirtualBox:~$ touch sample1.txt
srinivas@srinivas-VirtualBox:~$ gedit sample1.txt
srinivas@srinivas-VirtualBox:~$ cat sample1.txt
2
11
4
7
8
10
srinivas@srinivas-VirtualBox:~$ sort -n sample1.txt
2
4
7
8
10
11
srinivas@srinivas-VirtualBox:~$
```

5. Copee is a hard-working cop. He found a case and almost at the verge of cracking it. It could be his best breakthrough. He has the list of criminals but lots of duplicates are there. He needs to find the only one that is different. He sought your help. How will you sort this issue?

Ans: `sort<filename> | uniq --c`



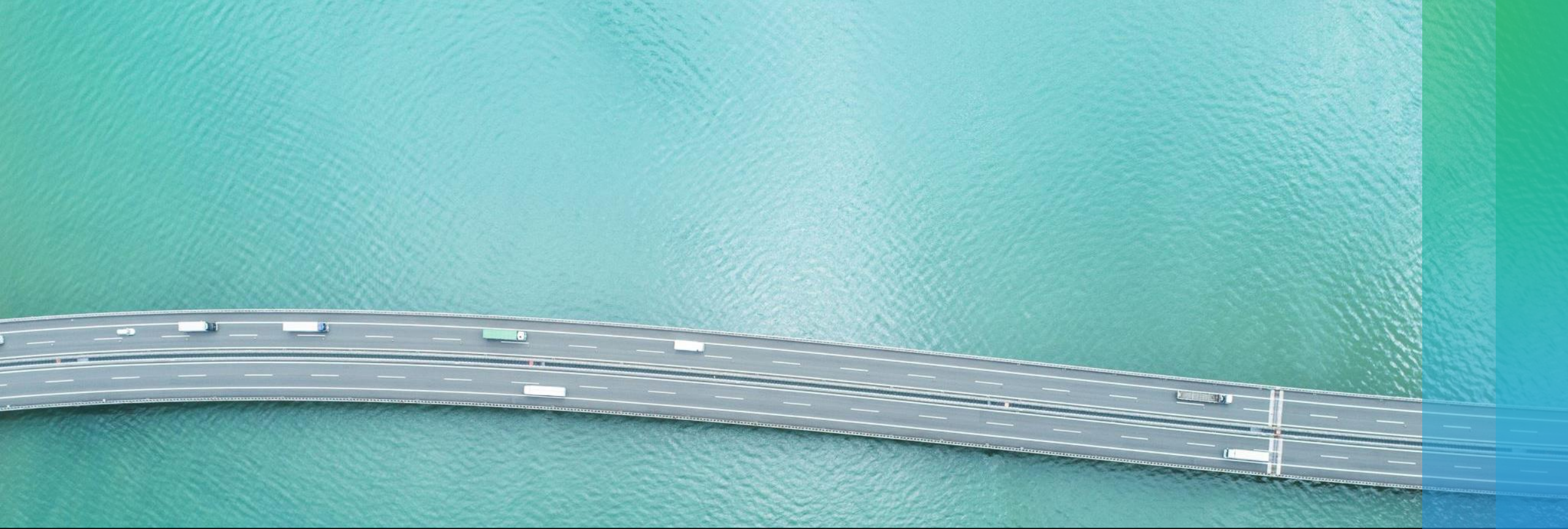
6. What are the four parts of file's permission?

1. Read

2. Write

3. Delete

4. Execute



THANKYOU