COGNIZANCE TASK - 5

CYS BASICS

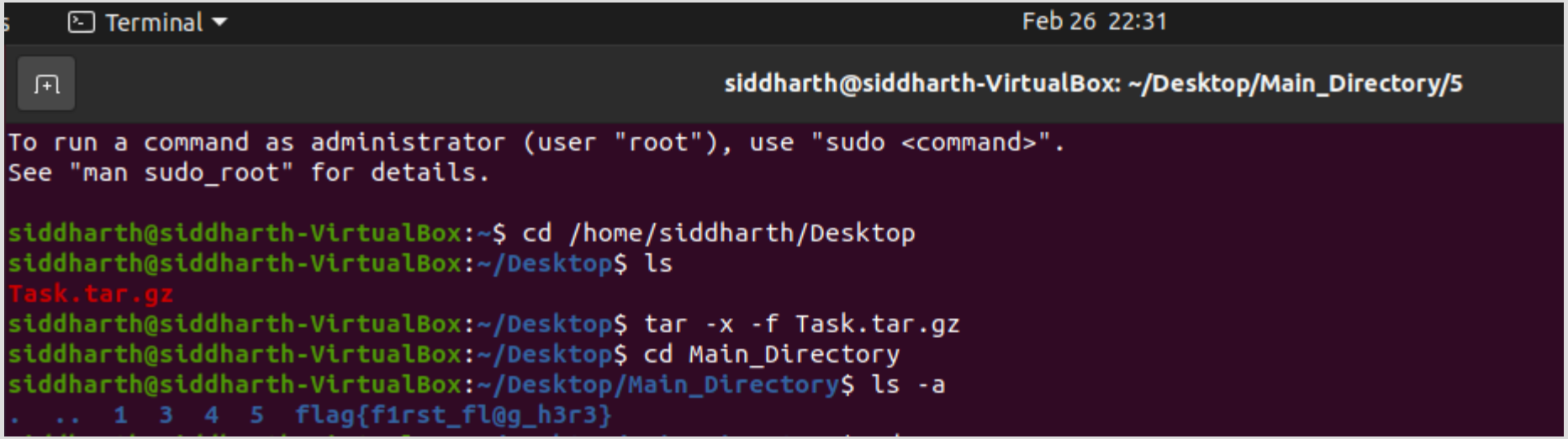
SIDDHARTH S

CH.EN.U4.AIE21050

PART- I

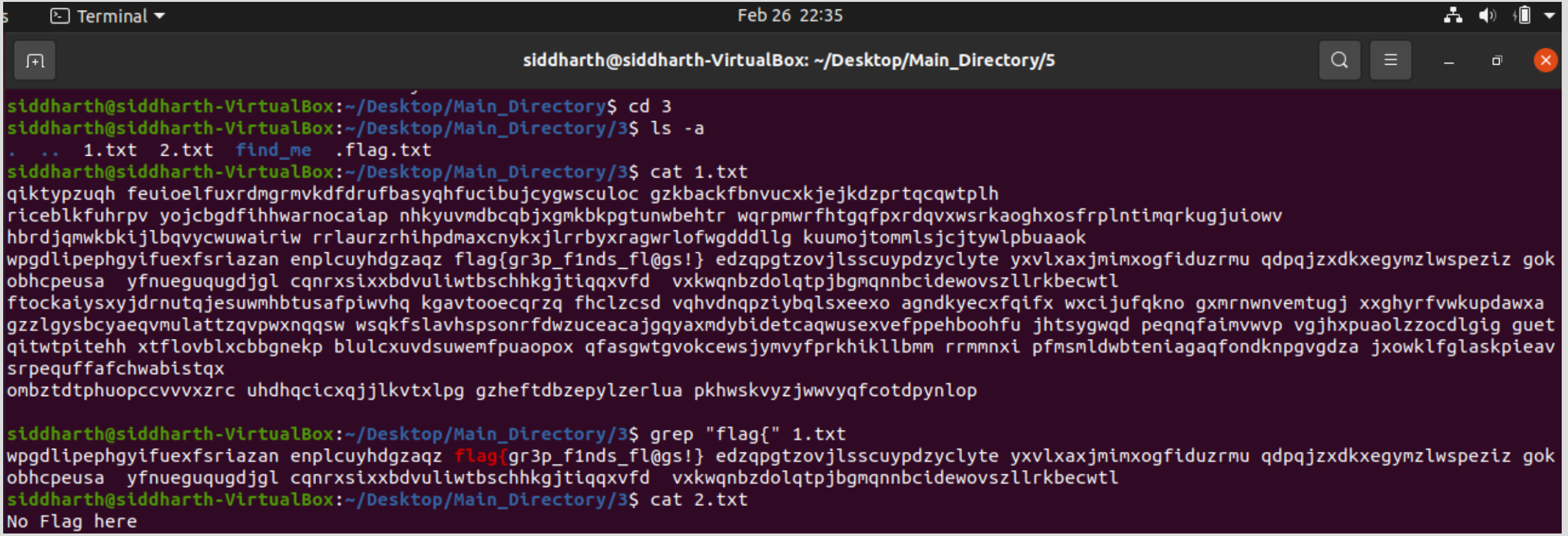
FINDING FLAGS AND OTHER COMMANDS

FLAG 1



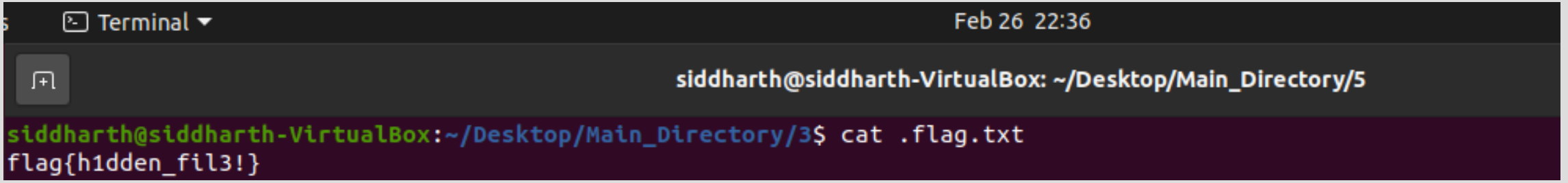
flag{f1rst_fl@g_h3r3}

FLAG 2



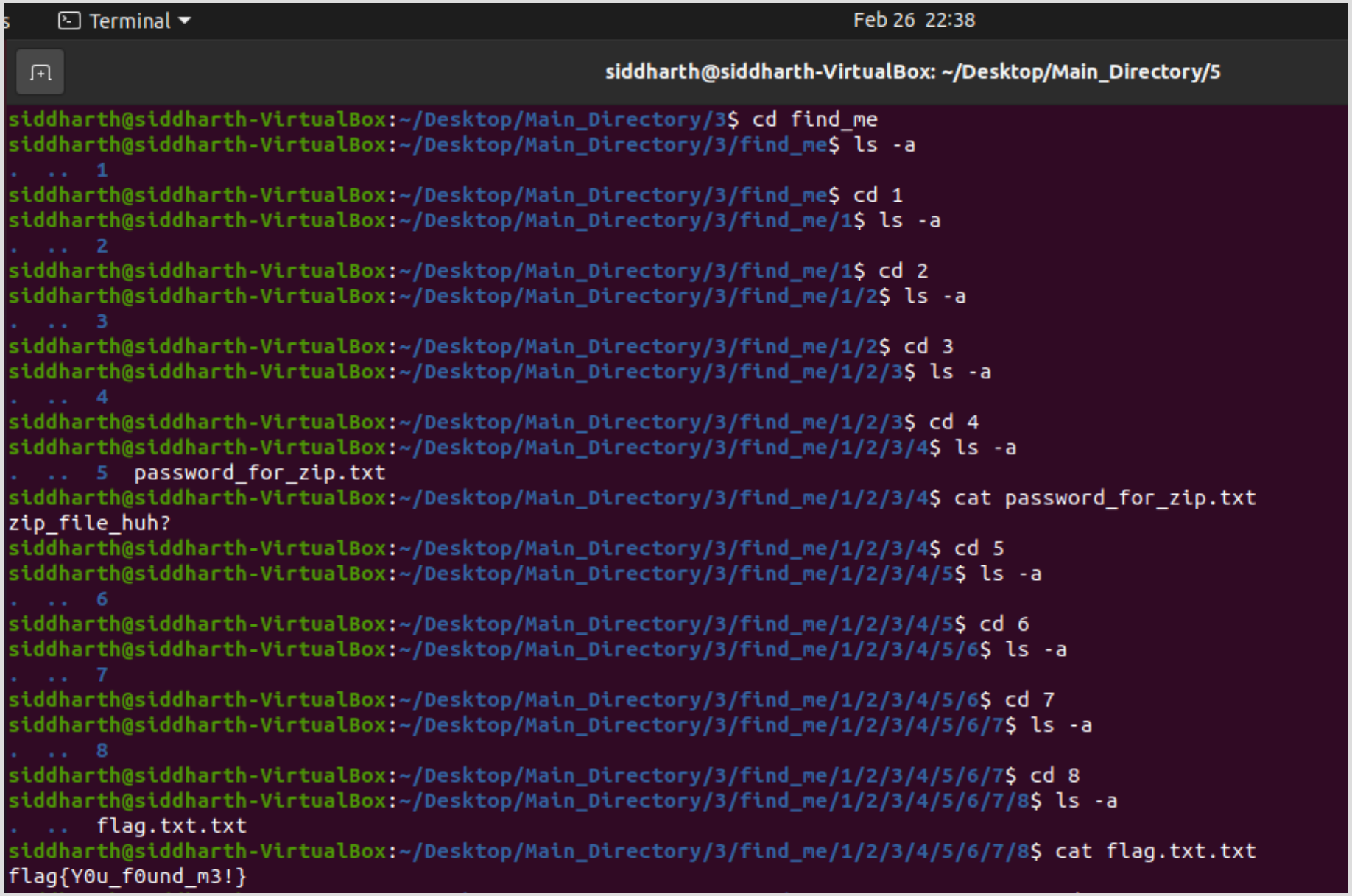
flag{gr3p_f1nds_fl@gs!}

FLAG 3



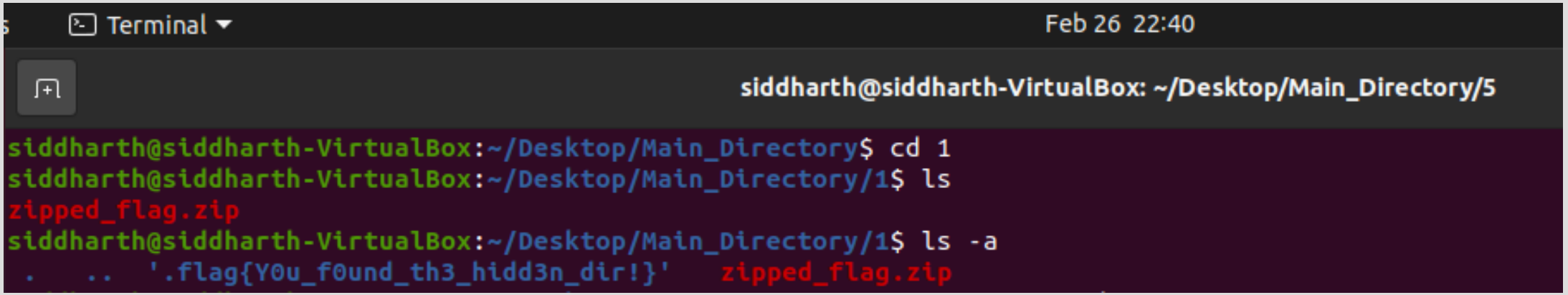
flag{h1dden_fil3!}

FLAG 4



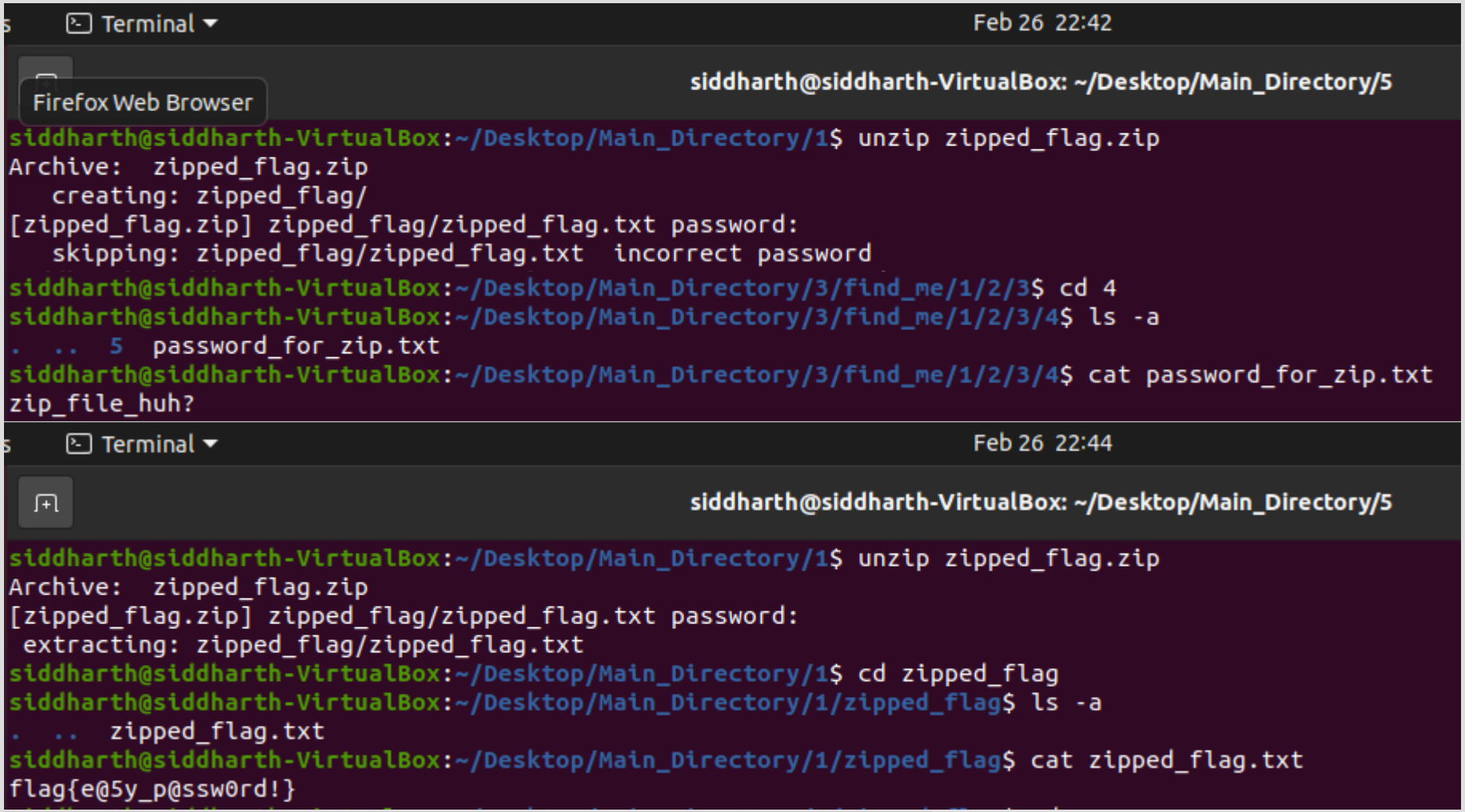
flag{Y0u_f0und_m3!}

FLAG 5



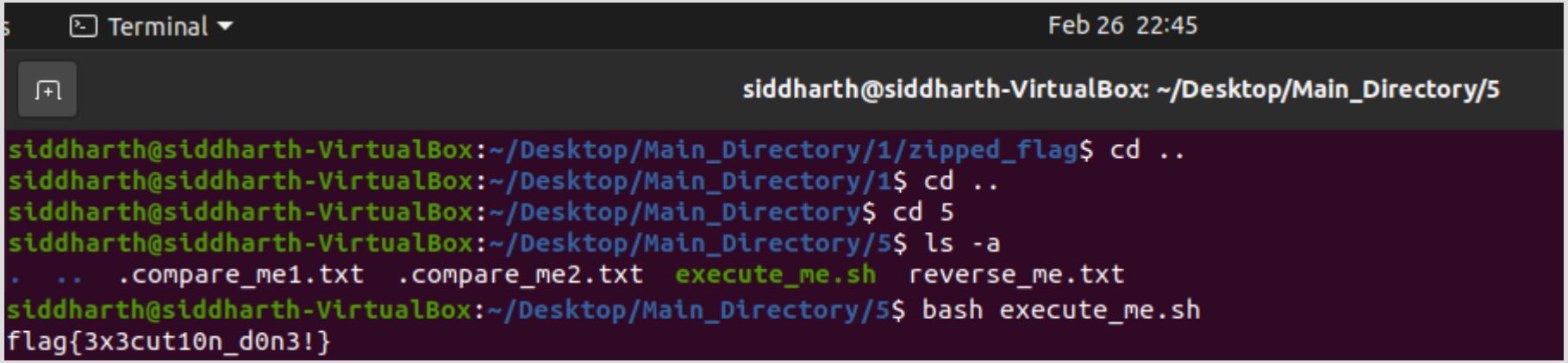
flag{Y0u_f0und_th3_hidd3n_dir!}

FLAG 6



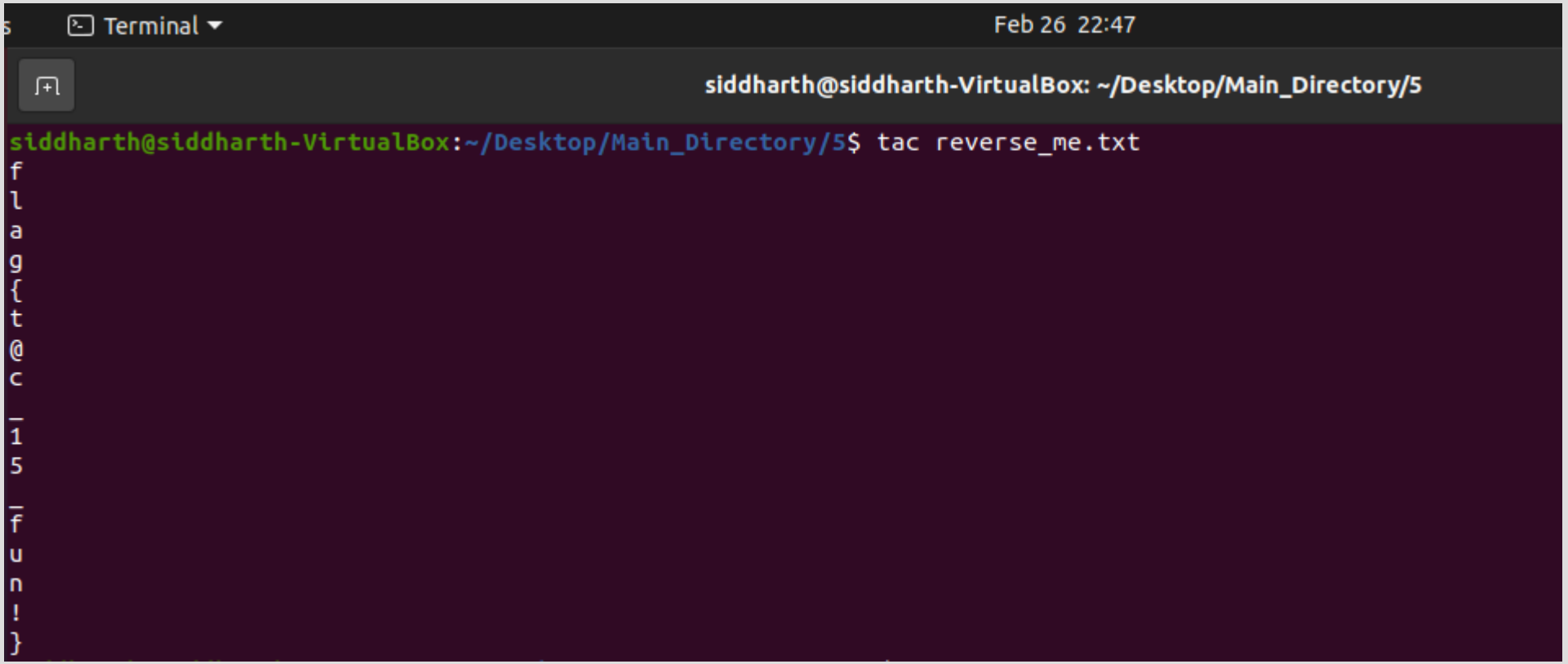
flag{e@5y_p@ssw0rd!}

FLAG 7



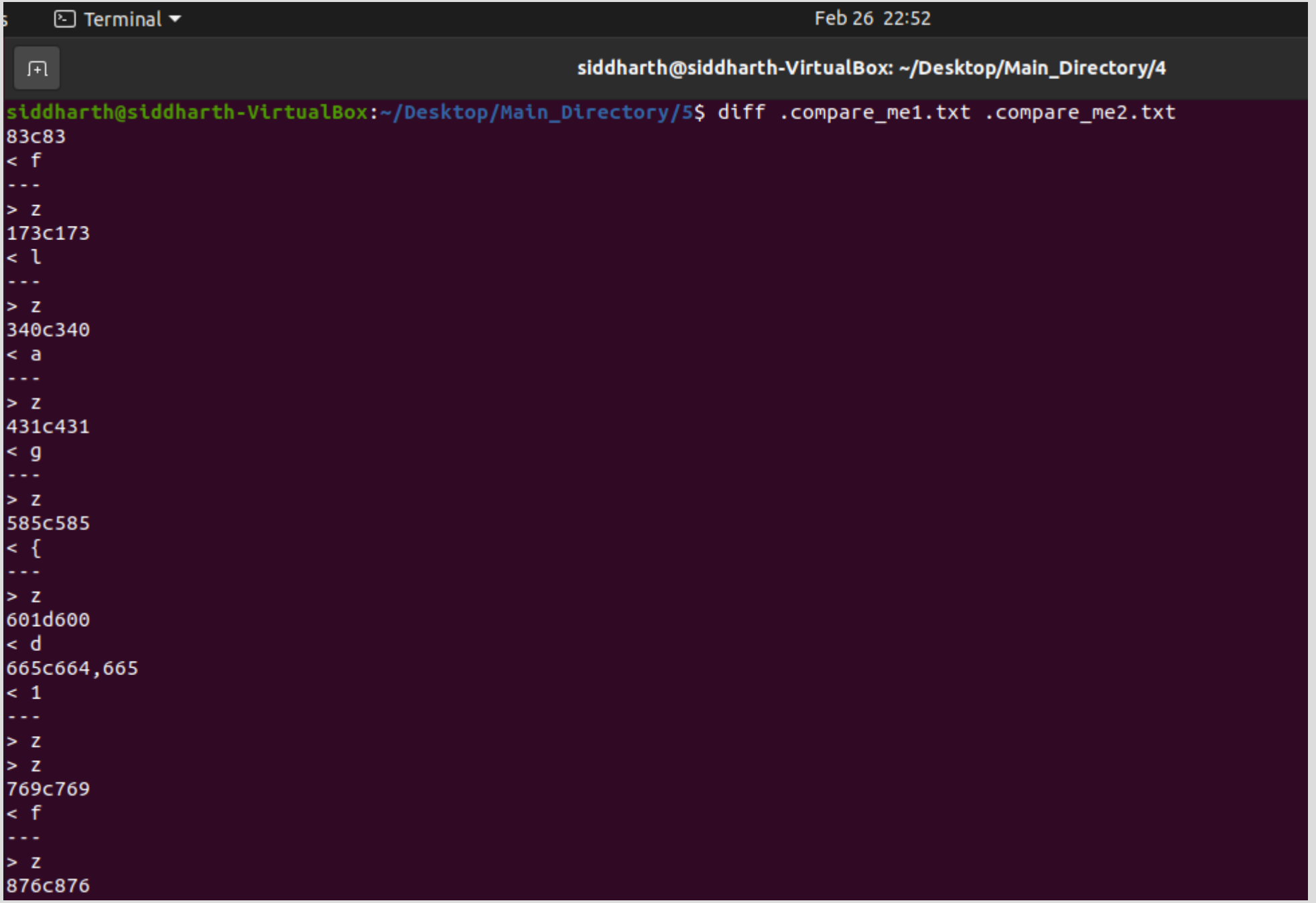
flag{3x3cut10n_d0n3!}

FLAG 8



flag{t@c_i5_fun!}

FLAG 9


Terminal
Feb 26 22:52
siddharth@siddharth-VirtualBox: ~/Desktop/Main_Directory/4
siddharth@siddharth-VirtualBox:~/Desktop/Main_Directory/5$ diff .compare_me1.txt .compare_me2.txt
83c83
< f

> z
173c173
< l

> z
340c340
< a

> z
431c431
< g

> z
585c585
< {

> z
601d600
< d
665c664,665
< 1

> z
> z
769c769
< f

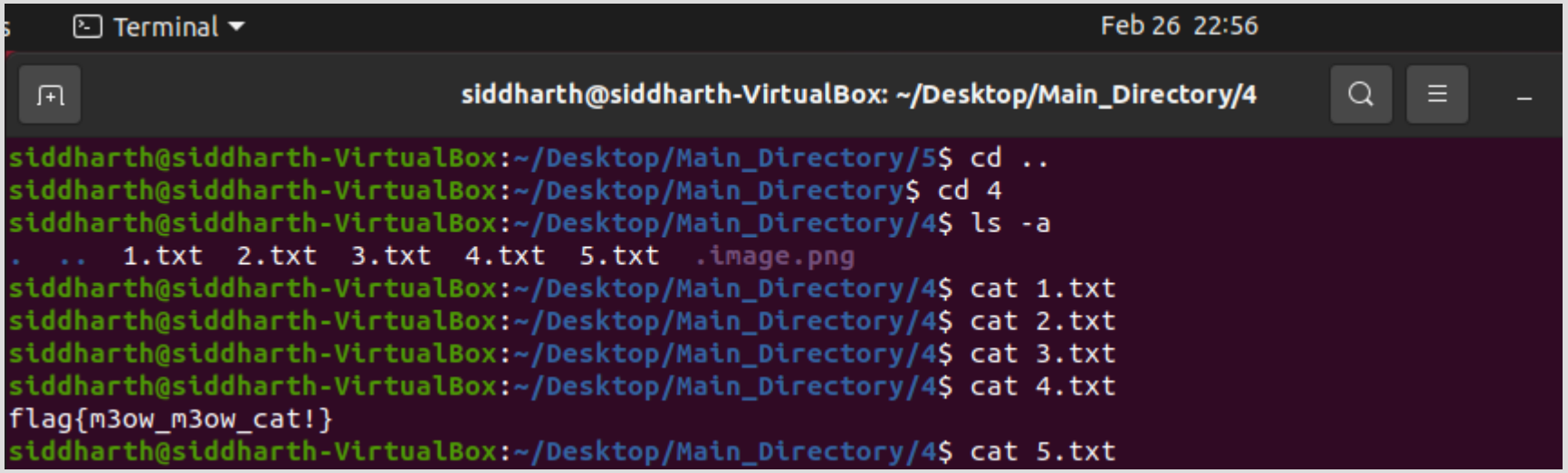
> z
876c876

FLAG 9

```
< f
---
> z
938c938
< _
---
> z
1398a1399
> z
1403d1403
< 1
1473c1473,1474
< 5
---
> z
> z
1500d1500
< _
1577c1577,1578
< u
---
> z
> z
1613d1613
< 5
1679c1679,1680
< 3
---
> z
> z
1727d1727
< f
1779c1779,1780
< u
---
> z
> z
1823d1823
< l
1897,1898c1897,1899
< !
< }
---
> z
> z
> z
```

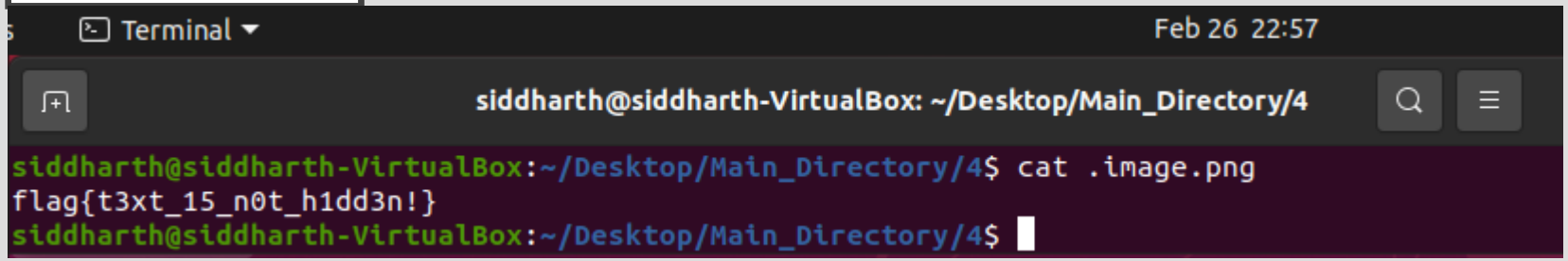
flag{d1ff_i5_u53ful!}

FLAG 10



flag{m3ow_m3ow_cat!}

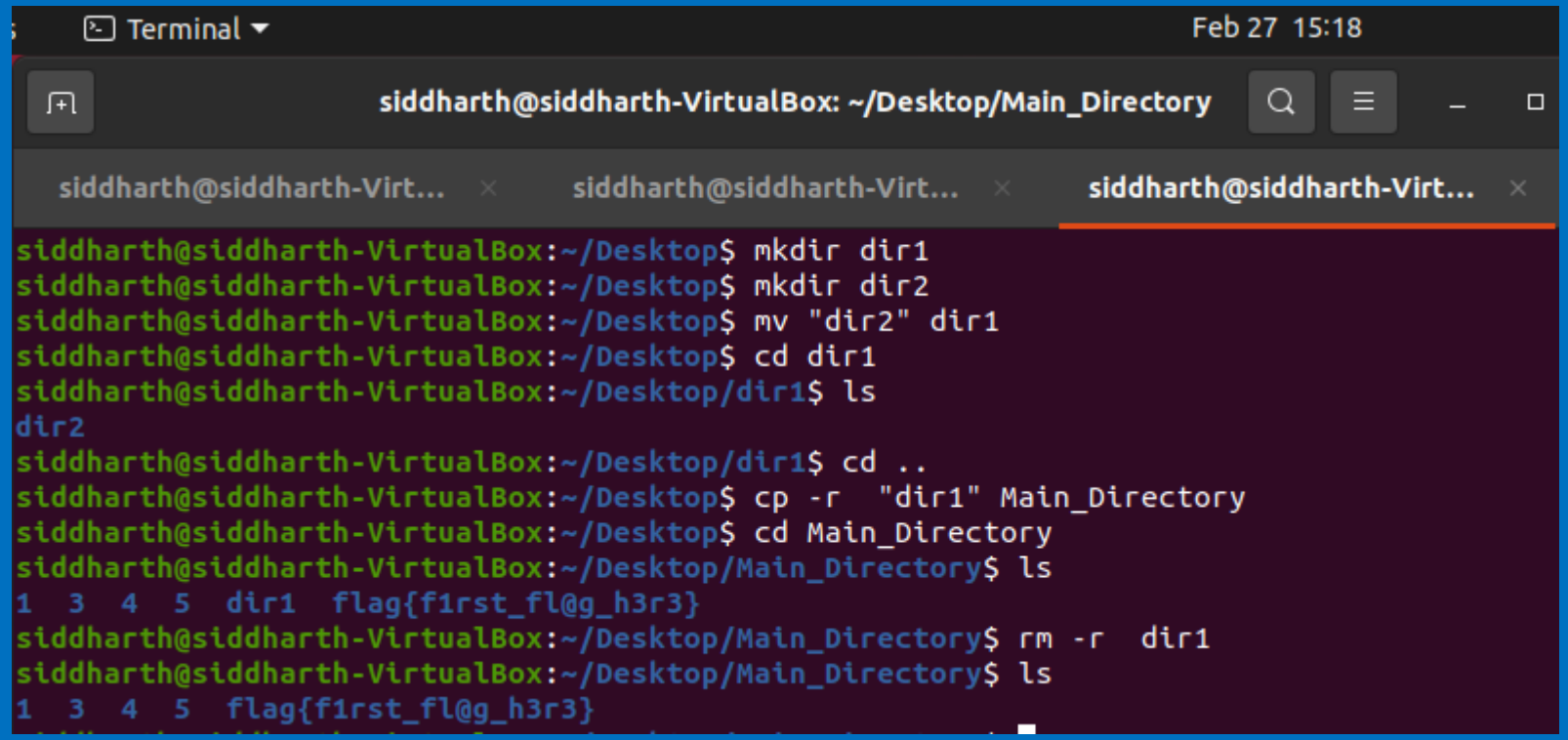
FLAG 11



flag{t3xt_15_n0t_h1dd3n!}

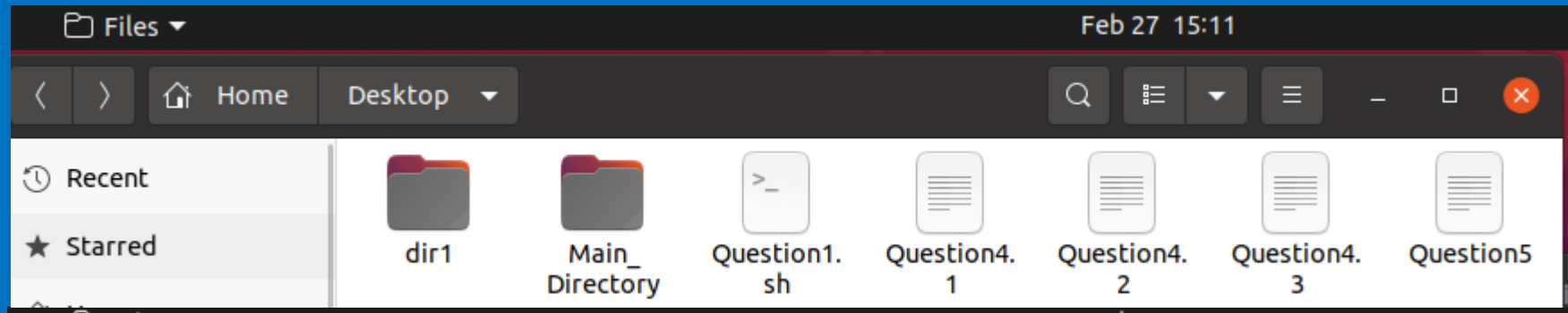
MKDIR,MV,CP,RM COMMANDS

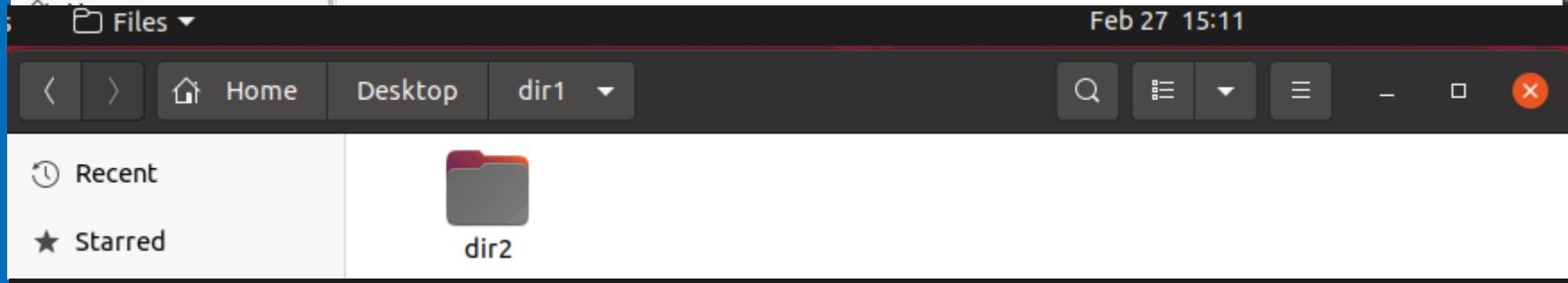
CODE

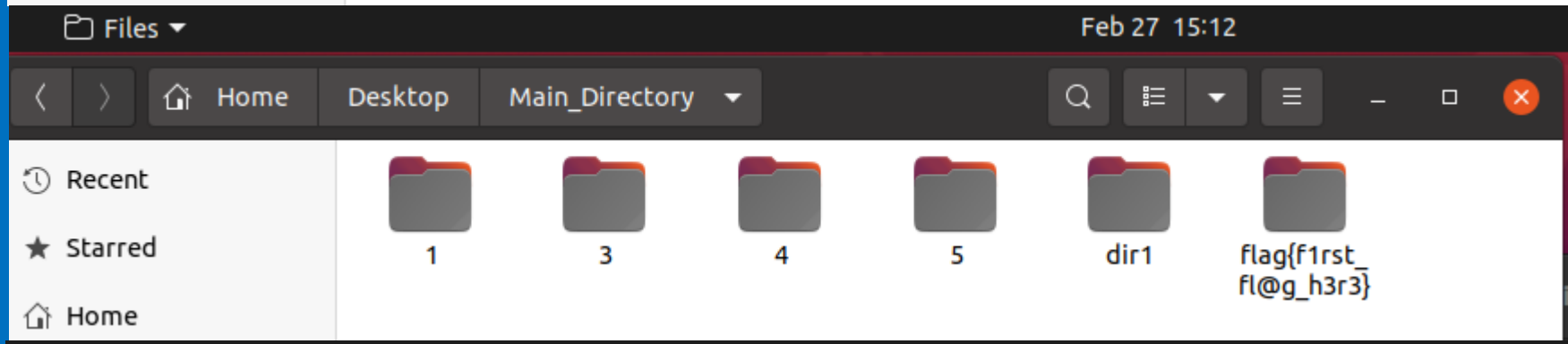


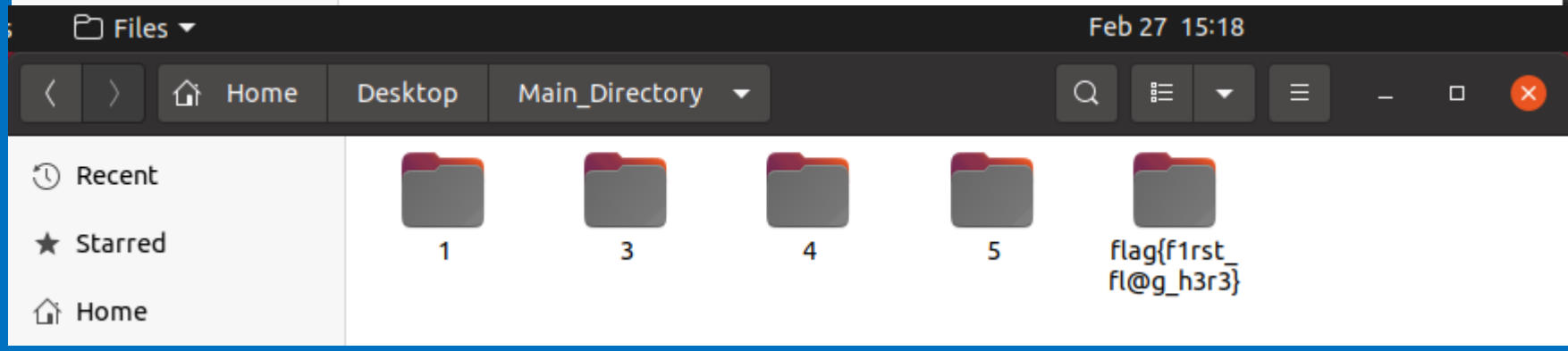
MKDIR,MV,CP,RM COMMANDS

OUTPUT









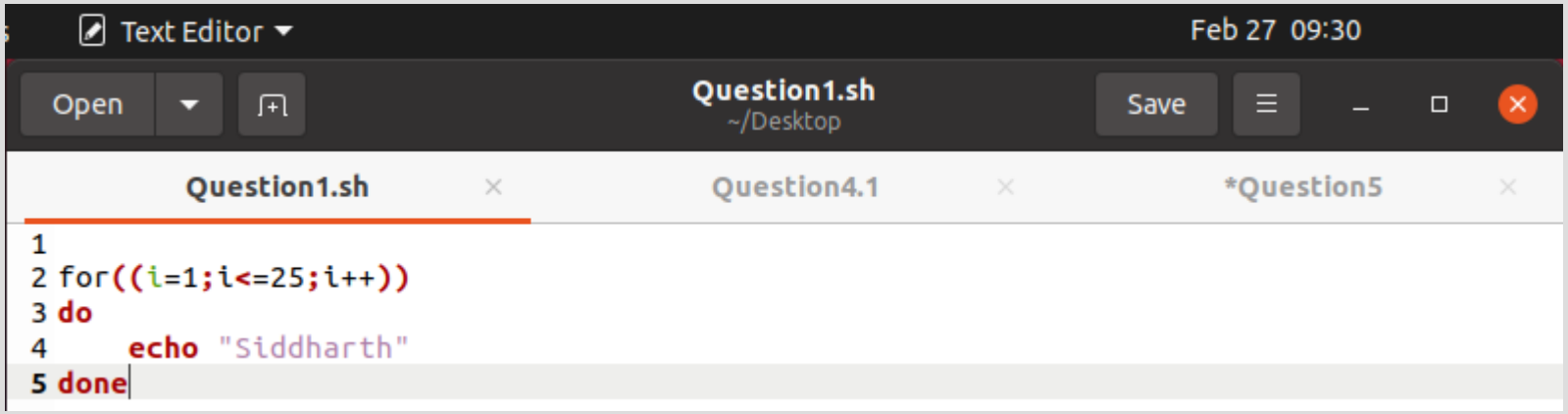
PART-2

BASH SHELL SCRIPT

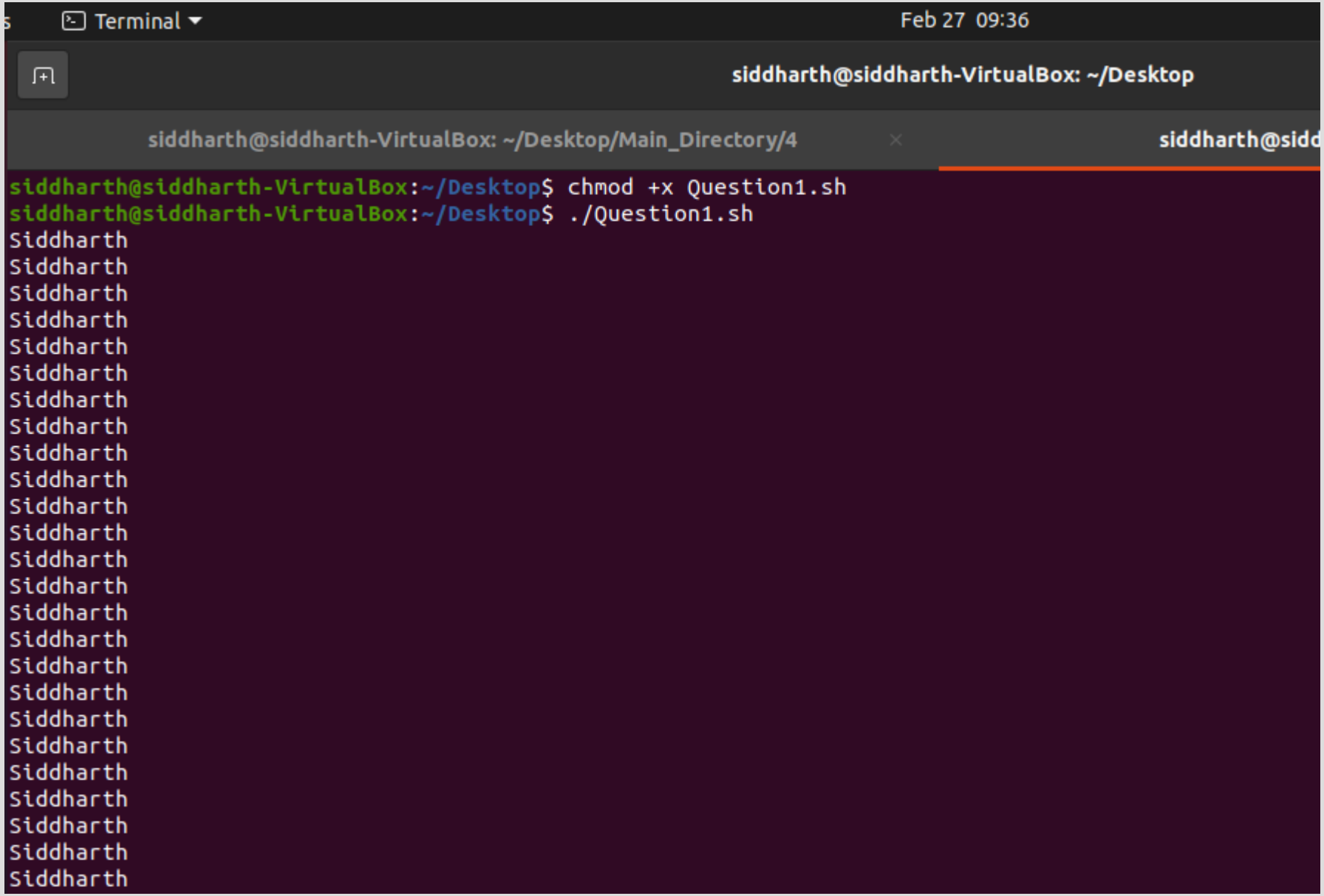
QUESTION 1

Write a bash script to echo your name 25 times

SCRIPT



OUTPUT


Terminal
Feb 27 09:36
siddharth@siddharth-VirtualBox: ~/Desktop
siddharth@siddharth-VirtualBox: ~/Desktop/Main_Directory/4
siddharth@sidd
siddharth@siddharth-VirtualBox:~/Desktop$ chmod +x Question1.sh
siddharth@siddharth-VirtualBox:~/Desktop$ ./Question1.sh
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth
Siddharth

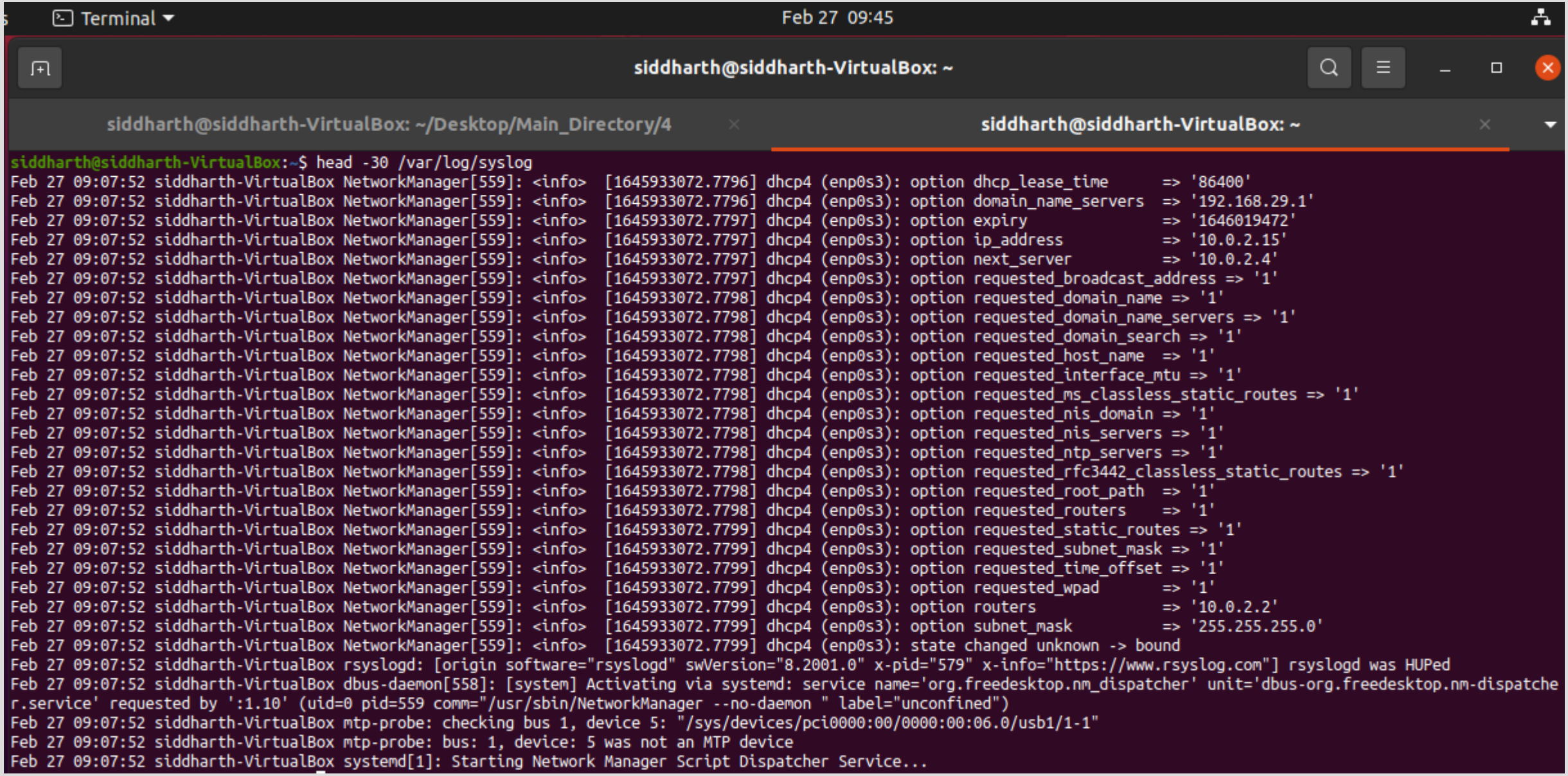
QUESTION 2

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

COMMAND

```
head -30 /var/log/syslog
```

OUTPUT


Terminal
Feb 27 09:45
siddharth@siddharth-VirtualBox: ~
siddharth@siddharth-VirtualBox: ~/Desktop/Main_Directory/4
siddharth@siddharth-VirtualBox: ~
siddharth@siddharth-VirtualBox:~$ head -30 /var/log/syslog
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7796] dhcp4 (enp0s3): option dhcp_lease_time => '86400'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7796] dhcp4 (enp0s3): option domain_name_servers => '192.168.29.1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7797] dhcp4 (enp0s3): option expiry => '1646019472'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7797] dhcp4 (enp0s3): option ip_address => '10.0.2.15'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7797] dhcp4 (enp0s3): option next_server => '10.0.2.4'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7797] dhcp4 (enp0s3): option requested_broadcast_address => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_domain_name => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_domain_name_servers => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_domain_search => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_host_name => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_interface_mtu => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_ms_classless_static_routes => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_nis_domain => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_nis_servers => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_ntp_servers => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_rfc3442_classless_static_routes => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_root_path => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7798] dhcp4 (enp0s3): option requested_routers => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7799] dhcp4 (enp0s3): option requested_static_routes => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7799] dhcp4 (enp0s3): option requested_subnet_mask => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7799] dhcp4 (enp0s3): option requested_time_offset => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7799] dhcp4 (enp0s3): option requested_wpad => '1'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7799] dhcp4 (enp0s3): option routers => '10.0.2.2'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7799] dhcp4 (enp0s3): option subnet_mask => '255.255.255.0'
Feb 27 09:07:52 siddharth-VirtualBox NetworkManager[559]: <info> [1645933072.7799] dhcp4 (enp0s3): state changed unknown -> bound
Feb 27 09:07:52 siddharth-VirtualBox rsyslogd: [origin software="rsyslogd" swVersion="8.2001.0" x-pid="579" x-info="https://www.rsyslog.com"] rsyslogd was HUPed
Feb 27 09:07:52 siddharth-VirtualBox dbus-daemon[558]: [system] Activating via systemd: service name='org.freedesktop.nm_dispatcher' unit='dbus-org.freedesktop.nm-dispatcher.service' requested by ':1.10' (uid=0 pid=559 comm="/usr/sbin/NetworkManager --no-daemon " label="unconfined")
Feb 27 09:07:52 siddharth-VirtualBox mtp-probe: checking bus 1, device 5: "/sys/devices/pci0000:00/0000:00:06.0/usb1/1-1"
Feb 27 09:07:52 siddharth-VirtualBox mtp-probe: bus: 1, device: 5 was not an MTP device
Feb 27 09:07:52 siddharth-VirtualBox systemd[1]: Starting Network Manager Script Dispatcher Service...

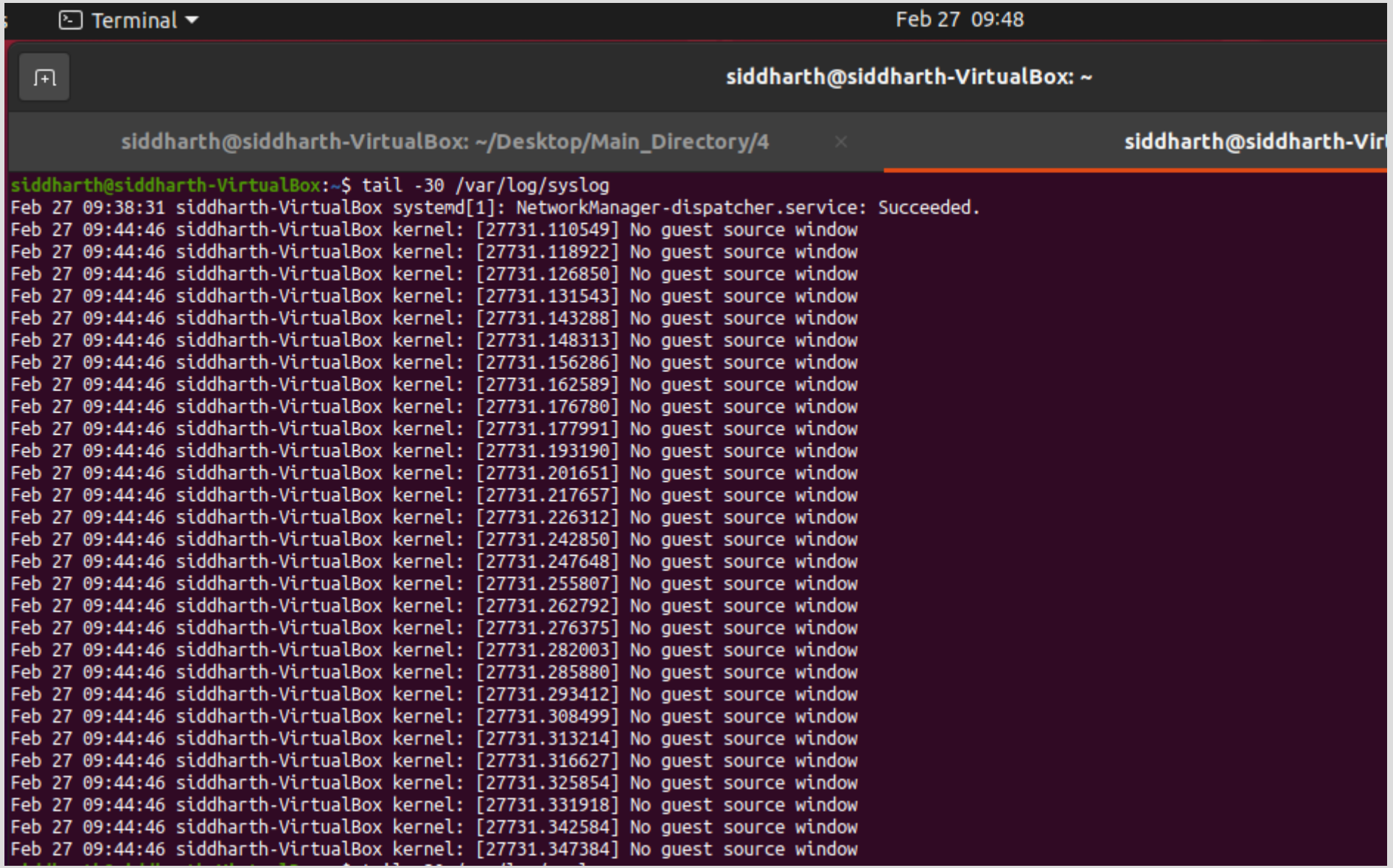
QUESTION 3

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

COMMAND

```
tail -30 /var/log/syslog
```

OUTPUT


Terminal
Feb 27 09:48
siddharth@siddharth-VirtualBox: ~
siddharth@siddharth-VirtualBox: ~/Desktop/Main_Directory/4
siddharth@siddharth-Virt
siddharth@siddharth-VirtualBox:~$ tail -30 /var/log/syslog
Feb 27 09:38:31 siddharth-VirtualBox systemd[1]: NetworkManager-dispatcher.service: Succeeded.
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.110549] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.118922] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.126850] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.131543] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.143288] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.148313] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.156286] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.162589] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.176780] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.177991] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.193190] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.201651] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.217657] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.226312] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.242850] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.247648] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.255807] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.262792] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.276375] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.282003] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.285880] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.293412] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.308499] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.313214] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.316627] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.325854] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.331918] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.342584] No guest source window
Feb 27 09:44:46 siddharth-VirtualBox kernel: [27731.347384] No guest source window

QUESTION 4

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

- Alphabetically
- Reverse order
- Numerical order

COMMAND

ALPHABETICAL

```
sort Question4.1
```

REVERSE

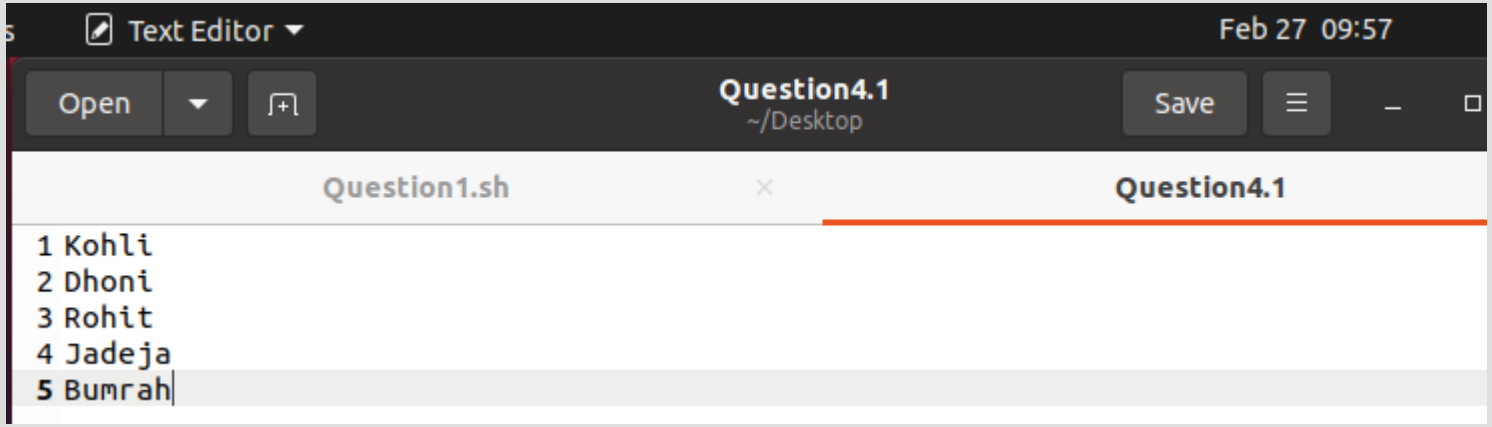
```
sort -nr Question4.2
```

NUMERICAL

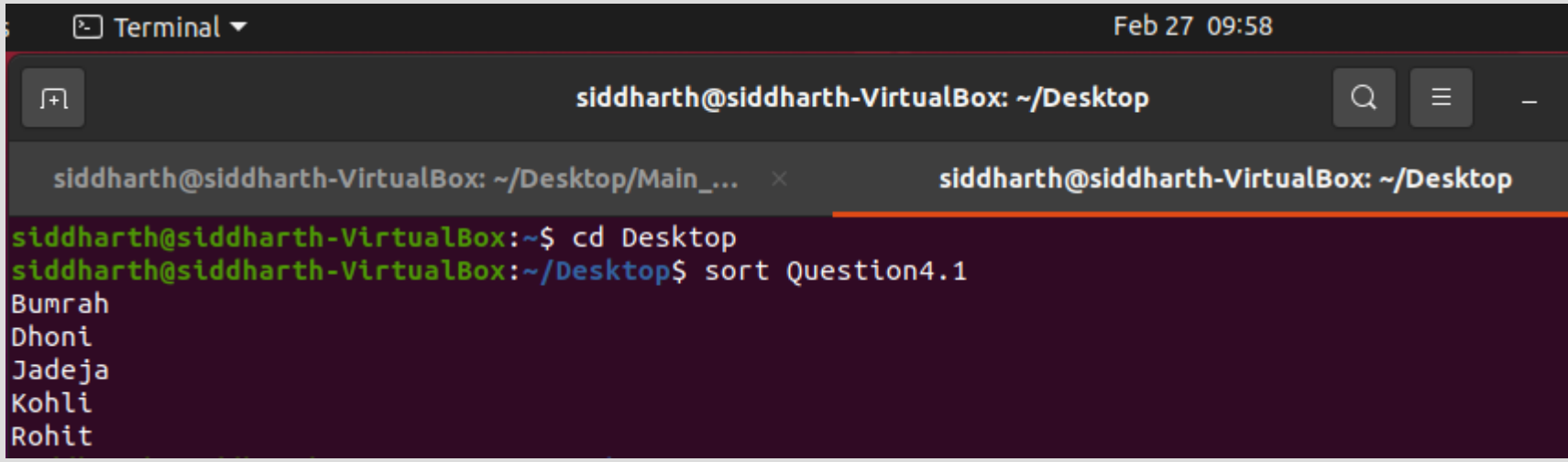
```
sort -n Question4.3
```

ALPHABETICAL

TEXT FILE

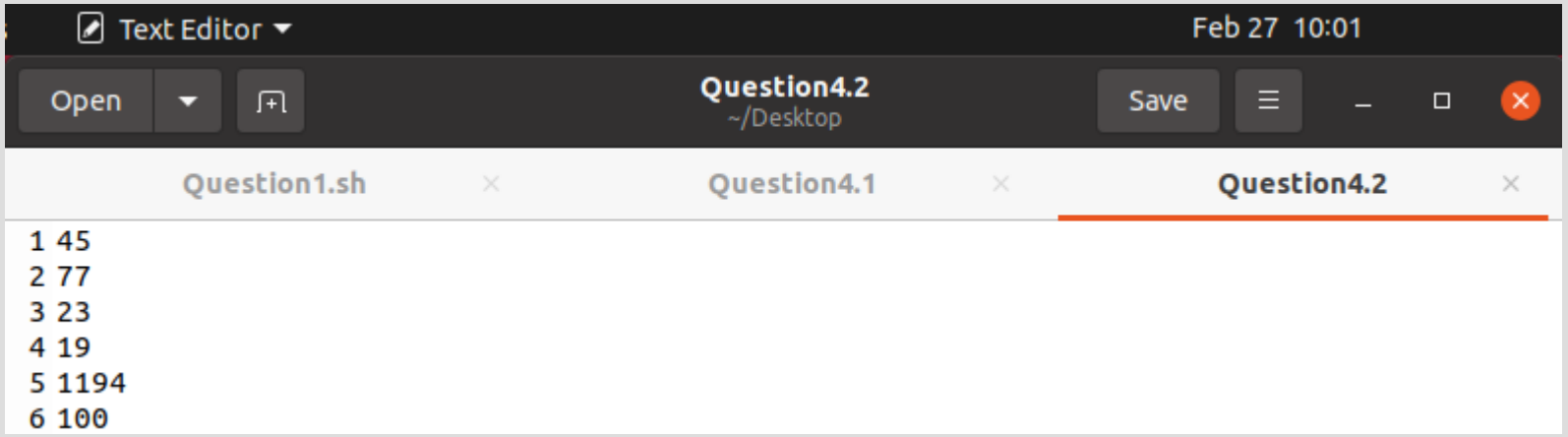


OUTPUT

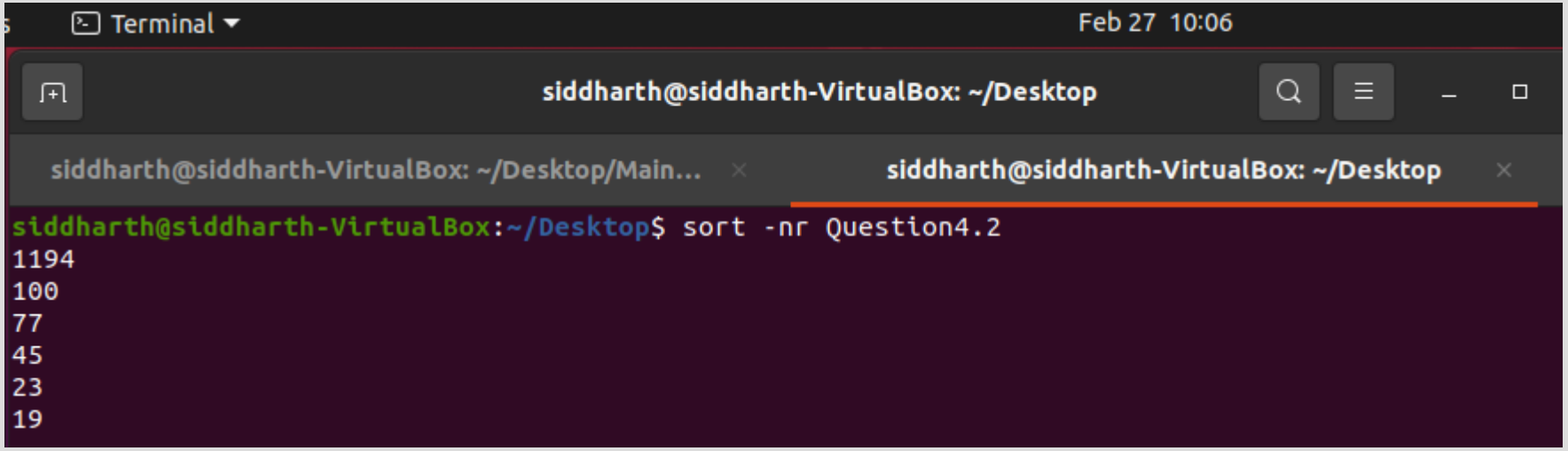


REVERSE

TEXT FILE

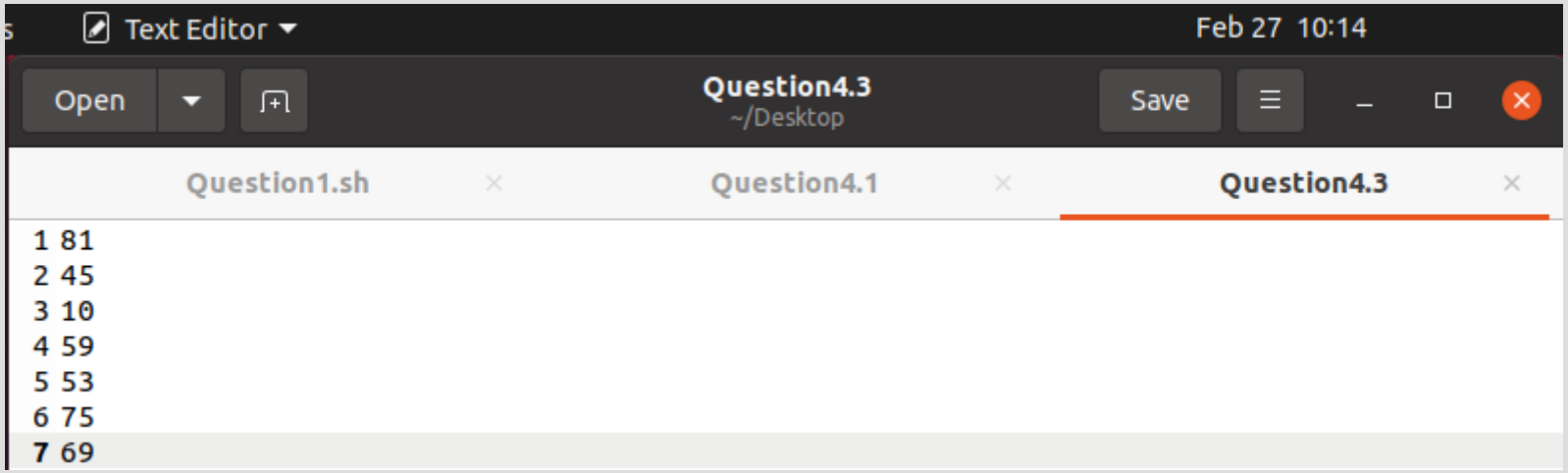


OUTPUT

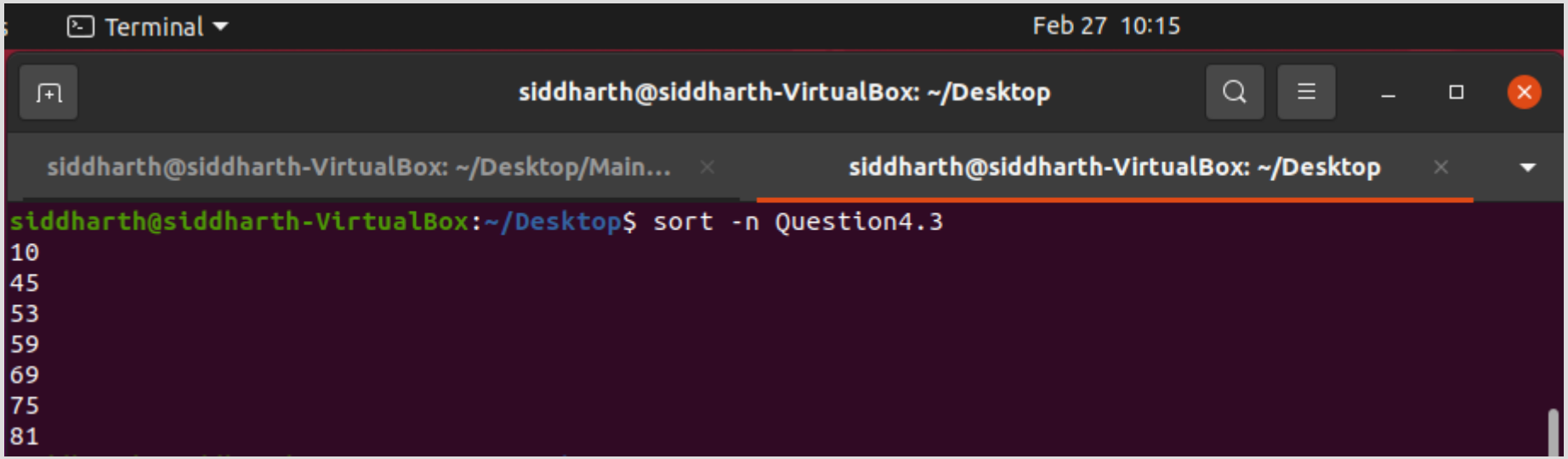


NUMERICAL

TEXT FILE



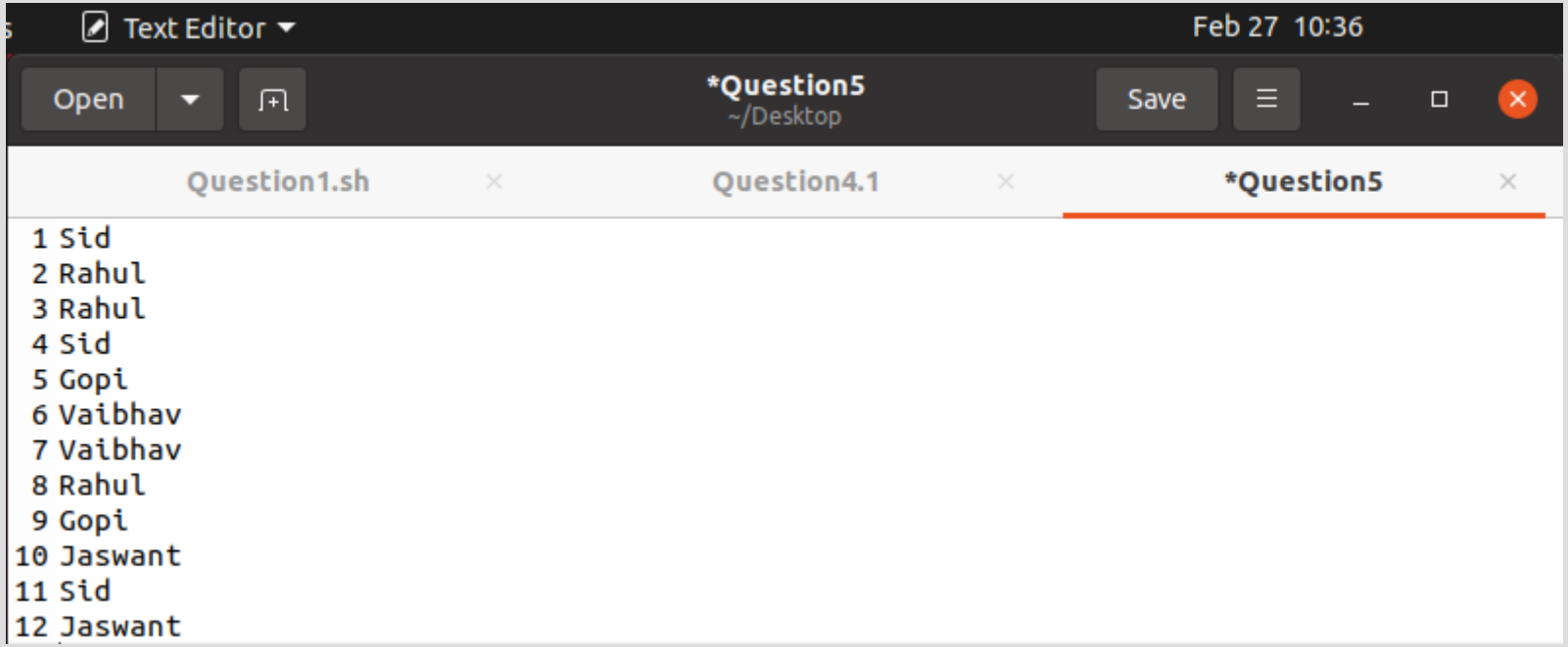
OUTPUT



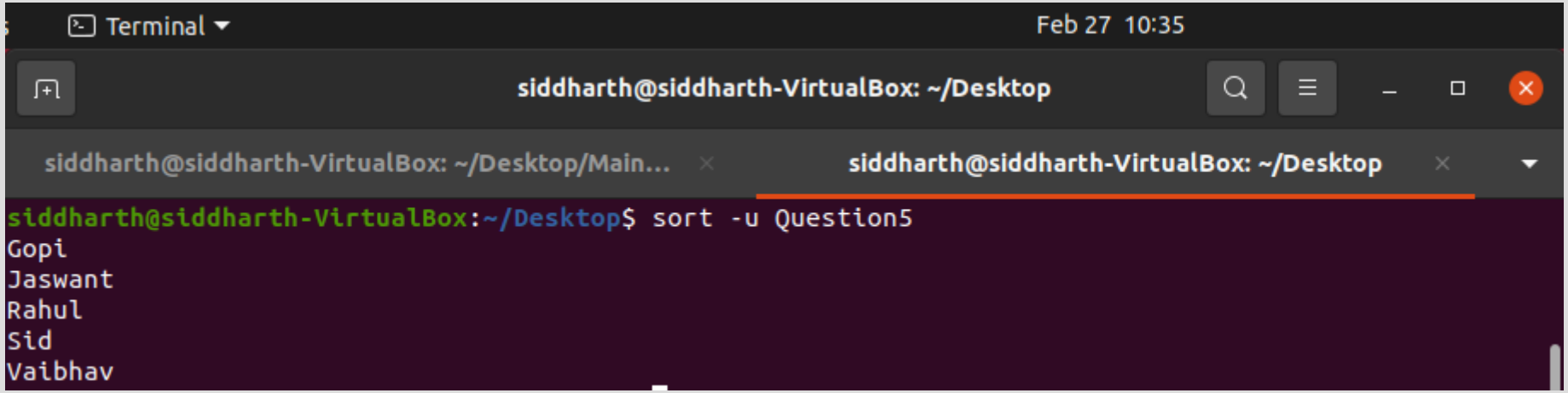
QUESTION 5

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?

CRIMINAL LIST



OUTPUT


Terminal
Feb 27 10:35
siddharth@siddharth-VirtualBox: ~/Desktop
siddharth@siddharth-VirtualBox: ~/Desktop/Main...
siddharth@siddharth-VirtualBox: ~/Desktop
siddharth@siddharth-VirtualBox:~/Desktop$ sort -u Question5
Gopi
Jaswant
Rahul
Sid
Vaibhav

QUESTION 6

What are the Three parts of file's permission?

PERMISSION	COMMANDS
read(r)	chmod +r TextDoc
write(w)	chmod +w TextDoc
execute(x)	chmod +x TextDoc