

CH.EN.U4CSE20119

TASK 4

PART 1

FLAGS:

FLAG 1: flag{f1rst_fl@g_h3r3}

The screenshot shows a Kali Linux virtual machine with the following terminal session:

```

kukka@raagaveda: ~/Downloads/Main_Directory
VED@raagaveda:~$ cd Downloads
VED@raagaveda:~/Downloads$ ls
Task.tar.gz
VED@raagaveda:~/Downloads$ tar -x -f Task.tar.gz
VED@raagaveda:~/Downloads$ ls -la
..  Main_Directory Task.tar.gz
VED@raagaveda:~/Downloads$ cd Main_Directory
VED@raagaveda:~/Downloads/Main_Directory$ ls -la
..  1 3 4 5 flag(first_flag_h3r3)
VED@raagaveda:~/Downloads/Main_Directory$
  
```

FLAG 2: flag{Y0u_f0und_th3_hidd3n_dir!}

The screenshot shows a terminal window with the following content:

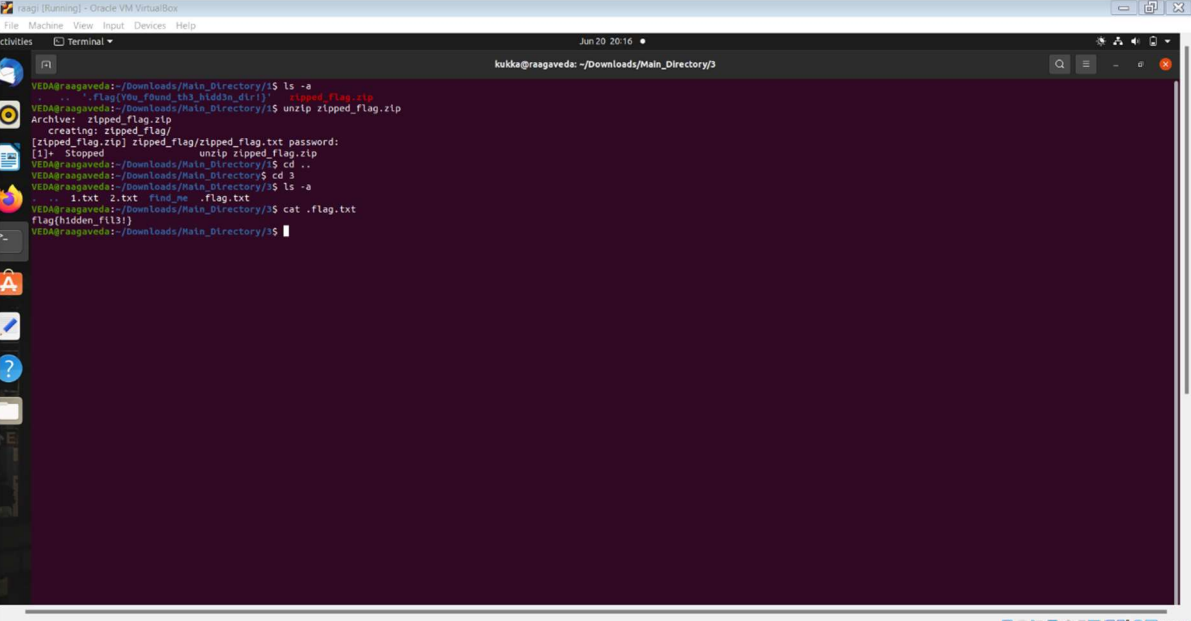
```

VEDA@raagaveda:~/Downloads/Main_Directory/1$ ls -a
.  ..  '.flag(Y0u_f0und_th3_h1dd3n_d1r)'  'flipped_flag.cip'
VEDA@raagaveda:~/Downloads/Main_Directory/1$

```

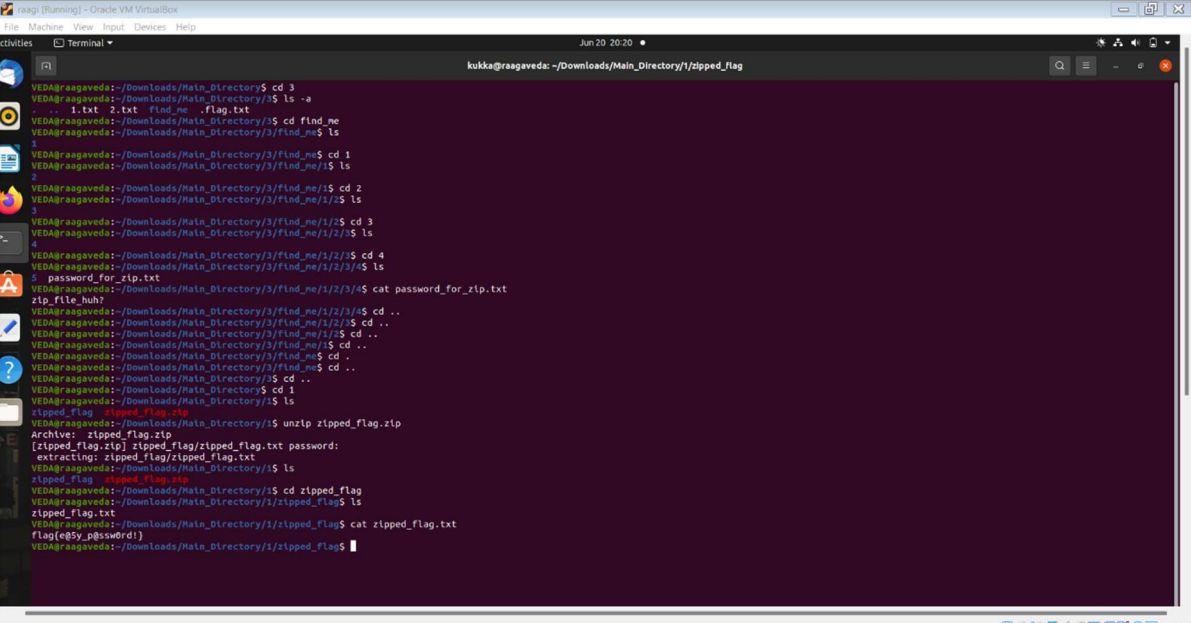
The terminal window title is "kukka@raagaveda: ~/Downloads/Main_Directory/1". The window is part of a desktop environment with a sidebar on the left containing various application icons.

FLAG 3: flag{h1dden_fil3!}



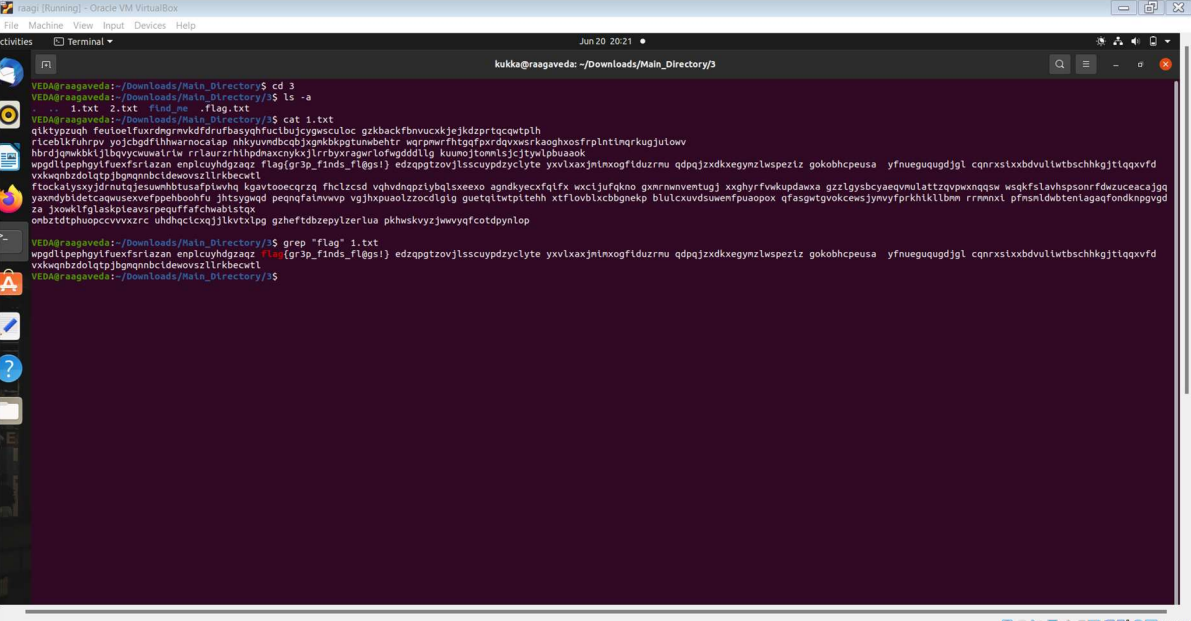
```
VED@raagaveda:~/Downloads/Main_Directory/3$ ls -a
.
..
.flag{You_found_th3_h1dden_dir!}
zipped_flag.zip
VED@raagaveda:~/Downloads/Main_Directory/3$ unzip zipped_flag.zip
Archive:  zipped_flag.zip
  creating: zipped_flag/
   [zipped_flag.zip] zipped_flag/zipped_flag.txt password:
[i]: Stopped
VED@raagaveda:~/Downloads/Main_Directory/3$ cd ..
VED@raagaveda:~/Downloads/Main_Directory/3$ ls -a
.
..
1.txt
2.txt
find_me
.flag.txt
VED@raagaveda:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
VED@raagaveda:~/Downloads/Main_Directory/3$
```

FLAG 4: flag{e@5y_p@ssw0rd!}



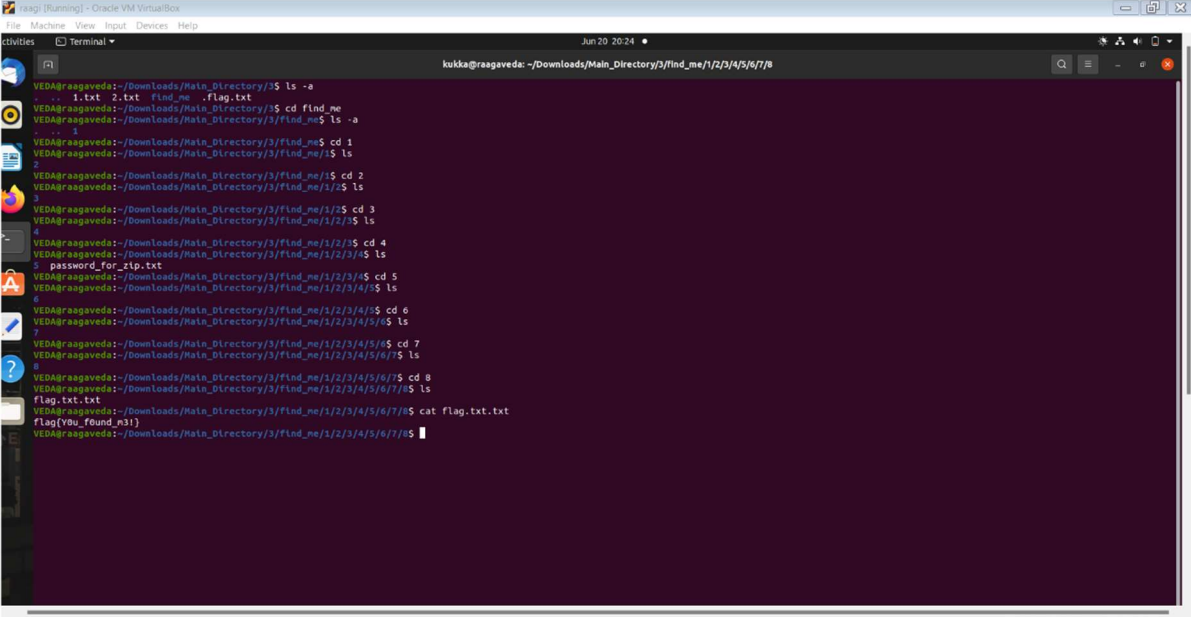
```
VED@raagaveda:~/Downloads/Main_Directory/3$ cd 3
VED@raagaveda:~/Downloads/Main_Directory/3$ ls -a
.
..
1.txt
2.txt
find_me
VED@raagaveda:~/Downloads/Main_Directory/3$ cd find_me
VED@raagaveda:~/Downloads/Main_Directory/3$ ls
1
2
3
4
5
password_for_zip.txt
zip_file_huh?
VED@raagaveda:~/Downloads/Main_Directory/3$ cd 1
VED@raagaveda:~/Downloads/Main_Directory/3$ cd 2
VED@raagaveda:~/Downloads/Main_Directory/3$ cd 3
VED@raagaveda:~/Downloads/Main_Directory/3$ cd 4
VED@raagaveda:~/Downloads/Main_Directory/3$ cd 5
VED@raagaveda:~/Downloads/Main_Directory/3$ cat password_for_zip.txt
zip_file_huh?
VED@raagaveda:~/Downloads/Main_Directory/3$ cd ..
VED@raagaveda:~/Downloads/Main_Directory/3$ cd ..
VED@raagaveda:~/Downloads/Main_Directory/3$ cd ..
VED@raagaveda:~/Downloads/Main_Directory/3$ cd ..
VED@raagaveda:~/Downloads/Main_Directory/3$ cd ..
VED@raagaveda:~/Downloads/Main_Directory/3$ cd ..
VED@raagaveda:~/Downloads/Main_Directory/3$ cd 1
VED@raagaveda:~/Downloads/Main_Directory/3$ ls
zipped_flag
zipped_flag.zip
VED@raagaveda:~/Downloads/Main_Directory/3$ unzip zipped_flag.zip
Archive:  zipped_flag.zip
  [zipped_flag.zip] zipped_flag/zipped_flag.txt password:
extracting: zipped_flag/zipped_flag.txt
VED@raagaveda:~/Downloads/Main_Directory/3$ ls
zipped_flag
zipped_flag.zip
VED@raagaveda:~/Downloads/Main_Directory/3$ cd zipped_flag
VED@raagaveda:~/Downloads/Main_Directory/3/zipped_flag$ ls
zipped_flag.txt
VED@raagaveda:~/Downloads/Main_Directory/3/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
VED@raagaveda:~/Downloads/Main_Directory/3/zipped_flag$
```

FLAG 5: flag{gr3p_f1nds_fl@gs!}



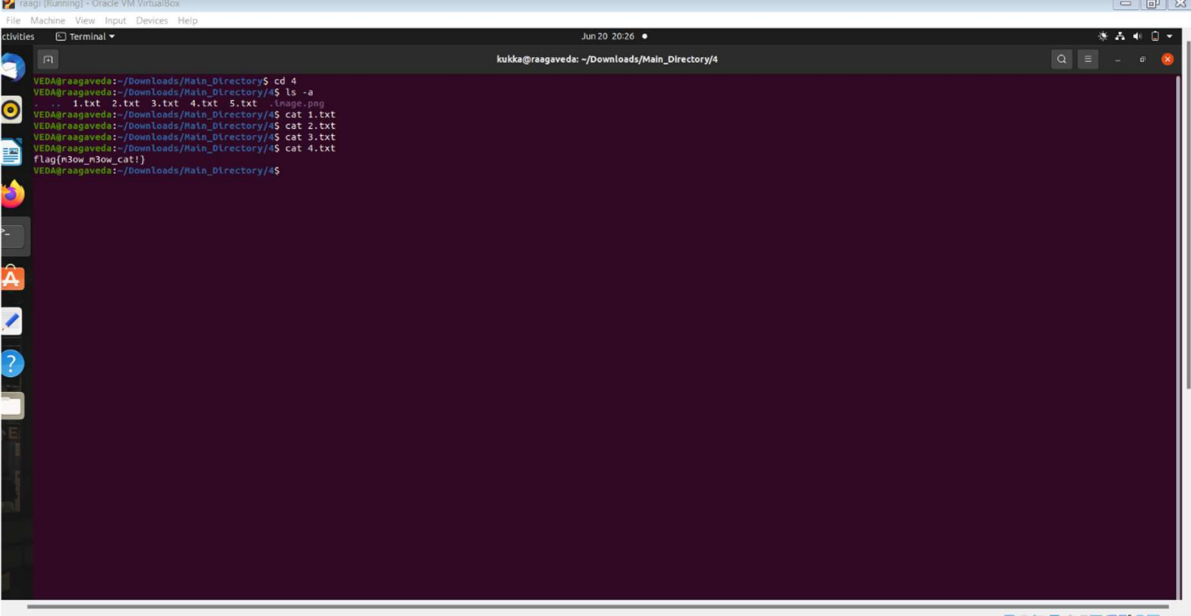
```
VED@raagaveda: ~/Downloads/Main_Directory/3
VED@raagaveda: ~/Downloads/Main_Directory/3$ ls -a
. 1.txt 2.txt find_me .flag.txt
VED@raagaveda: ~/Downloads/Main_Directory/3$ cat 1.txt
qkktypzueh feitoelxudnrgnkdfrufbaayqhfucbujcygveculoe grkbackfbnuvckjejkdpzrtqewtph
ricebklfuhprp yqjcbgdfthhwarnocap nhkyvndbcqjgkbbkpgtumbeht wqpmwrfhtgqfpxrdqvwskaoqhxsfrplntnqrkugjulovw
hbrdjqnwbkkljibqycvawarlw rrlaurzrhthpdnaxcnkxjlrrbyxragwlofwgddllg kuonojtomnlsjctywlpbuaaok
wpgdlpephylfuexfarizan enplcyhdzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuydzcylyte yxvlxaxjnlxogfduzrmu qdpqjzdxkxegymzlspeziz gokobhcpeusa yfnueguqugdjgl cqnrxstxbdvultwbschhkgjtlqqxvfd
vkwqnbzdlqtpjbgqnbcldeovszllrkbecwtl
flocaklyxyjdrnutqjesumhbttusafplwqh kgavtoecqrzq fhclczsd vqhvndqzlybqlsxexo agndkyecxfqfxf wxcljufqkno gnmnmventugj xxghyrfwvkupdawxa gzzlgysbcyaevmulattzqvpxwnqgsw wsgkflavhspsonrfdwuceacajgg
yaxndybldecaqwxseverpnhboohru jhtsygwd peqnfalmvwp vjhxpuolzocdlgig guetqitwptteh xtlfovbxcbgnekp blulxuvdsuwnfupaopox qfaswtgvokcewsjymvfrprkhiklbnm rrmnnxl pfnslwdbtenlagafondnpgvgd
za jnowklfqlaskpleavsrgeufarfcubolistox
ombztidphuopecvvxzrc uhdhqclcxqjllkvtxlpg gzheftdbzepylerlua pkhwskvyzjwvyqfctodpynlop
VED@raagaveda: ~/Downloads/Main_Directory/3$ grep "flag" 1.txt
wpgdlpephylfuexfarizan enplcyhdzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuydzcylyte yxvlxaxjnlxogfduzrmu qdpqjzdxkxegymzlspeziz gokobhcpeusa yfnueguqugdjgl cqnrxstxbdvultwbschhkgjtlqqxvfd
vkwqnbzdlqtpjbgqnbcldeovszllrkbecwtl
VED@raagaveda: ~/Downloads/Main_Directory/3$
```

FLAG 6: flag{Y0u_f0und_m3!}



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

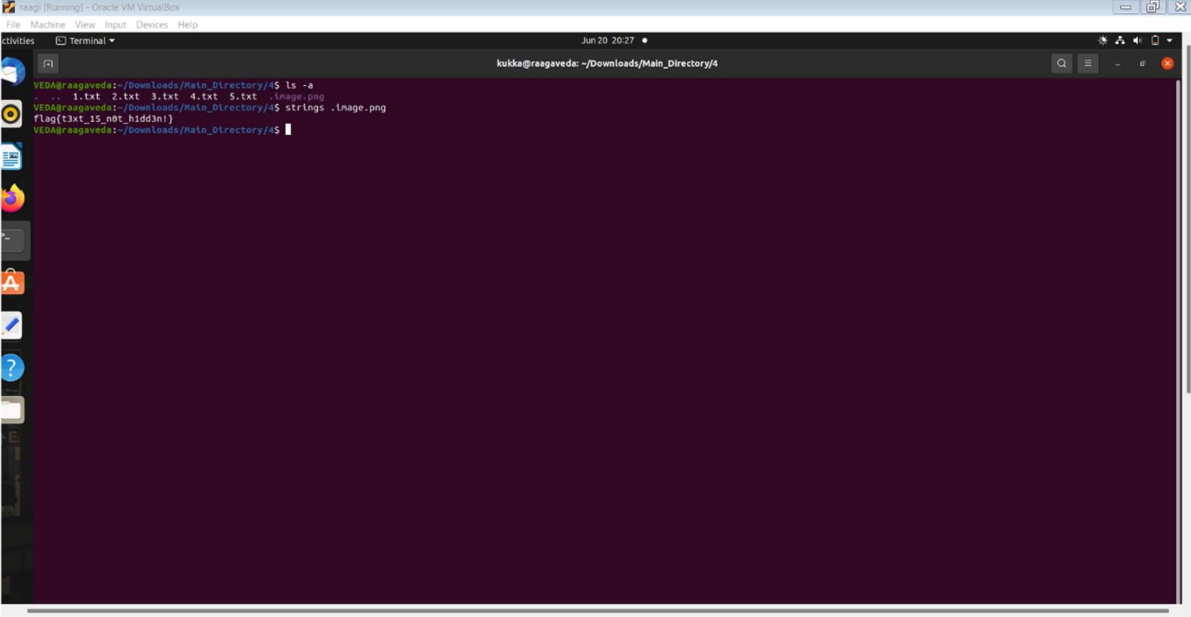
FLAG 7: flag{m3ow_m3ow_cat!}



The screenshot shows a terminal window titled "raagi [Running] - Oracle VM VirtualBox". The user is logged in as "kukka@raagaveda" in the directory "~/Downloads/Main_Directory/4". The terminal output shows the following commands and results:

```
VEDA@raagaveda:~/Downloads/Main_Directory/4$ cd 4
VEDA@raagaveda:~/Downloads/Main_Directory/4$ ls -la
total 28
drwxr-xr-x 2 VEDA VEDA 4096 Jun 20 20:26 .
drwxr-xr-x 3 VEDA VEDA 4096 Jun 20 20:26 ..
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 1.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 2.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 3.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 4.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 5.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 image.png
VEDA@raagaveda:~/Downloads/Main_Directory/4$ cat 1.txt
VEDA@raagaveda:~/Downloads/Main_Directory/4$ cat 2.txt
VEDA@raagaveda:~/Downloads/Main_Directory/4$ cat 3.txt
flag{m3ow_m3ow_cat!}
VEDA@raagaveda:~/Downloads/Main_Directory/4$
```

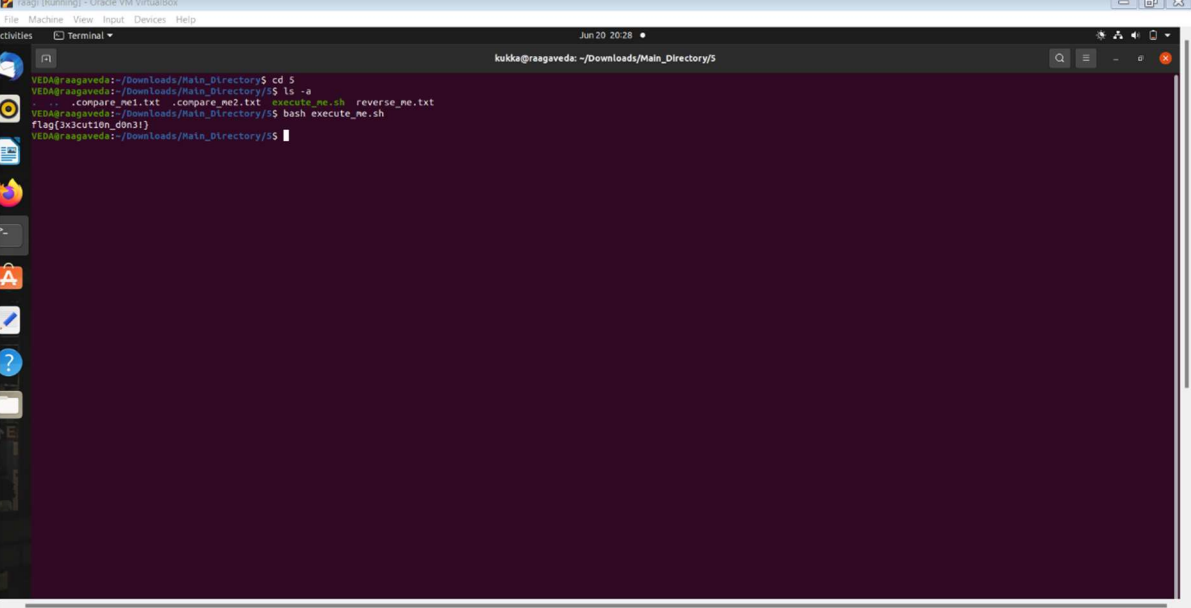
FLAG 8: flag{t3xt_15_n0t_h1dd3n!}



The screenshot shows a terminal window titled "raagi [Running] - Oracle VM VirtualBox". The user is logged in as "kukka@raagaveda" in the directory "~/Downloads/Main_Directory/4". The terminal output shows the following commands and results:

```
VEDA@raagaveda:~/Downloads/Main_Directory/4$ ls -la
total 28
drwxr-xr-x 2 VEDA VEDA 4096 Jun 20 20:26 .
drwxr-xr-x 3 VEDA VEDA 4096 Jun 20 20:26 ..
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 1.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 2.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 3.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 4.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 5.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:26 image.png
VEDA@raagaveda:~/Downloads/Main_Directory/4$ strings image.png
flag{t3xt_15_n0t_h1dd3n!}
VEDA@raagaveda:~/Downloads/Main_Directory/4$
```

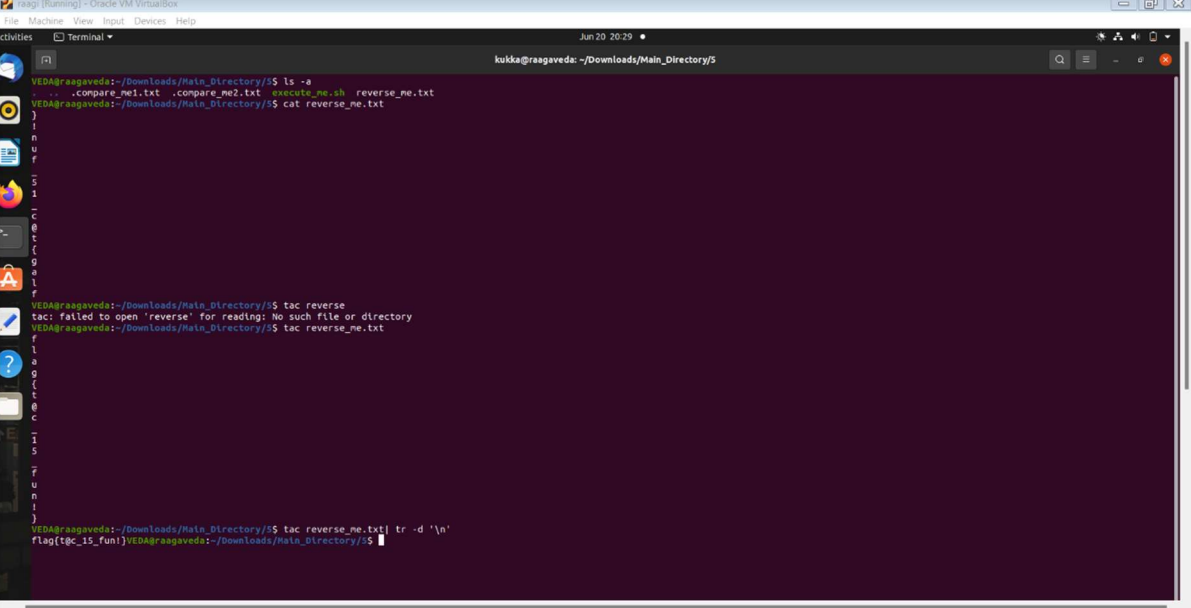
FLAG 9: flag{3x3cut10n_d0n3!}



The screenshot shows a terminal window titled "raagi [Running] - Oracle VM VirtualBox". The user is logged in as "kukka@raagaveda" in the directory "~/Downloads/Main_Directory/5". The terminal shows the following commands and output:

```
VEDA@raagaveda:~/Downloads/Main_Directory$ cd 5
VEDA@raagaveda:~/Downloads/Main_Directory/5$ ls -la
total 16
drwxr-xr-x 2 VEDA VEDA 4096 Jun 20 20:28 .
drwxr-xr-x 3 VEDA VEDA 4096 Jun 20 20:28 ..
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:28 .compare_me1.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:28 .compare_me2.txt
-rwxr-xr-x 1 VEDA VEDA  100 Jun 20 20:28 execute_me.sh
VEDA@raagaveda:~/Downloads/Main_Directory/5$ bash execute_me.sh
flag{3x3cut10n_d0n3!}
VEDA@raagaveda:~/Downloads/Main_Directory/5$
```

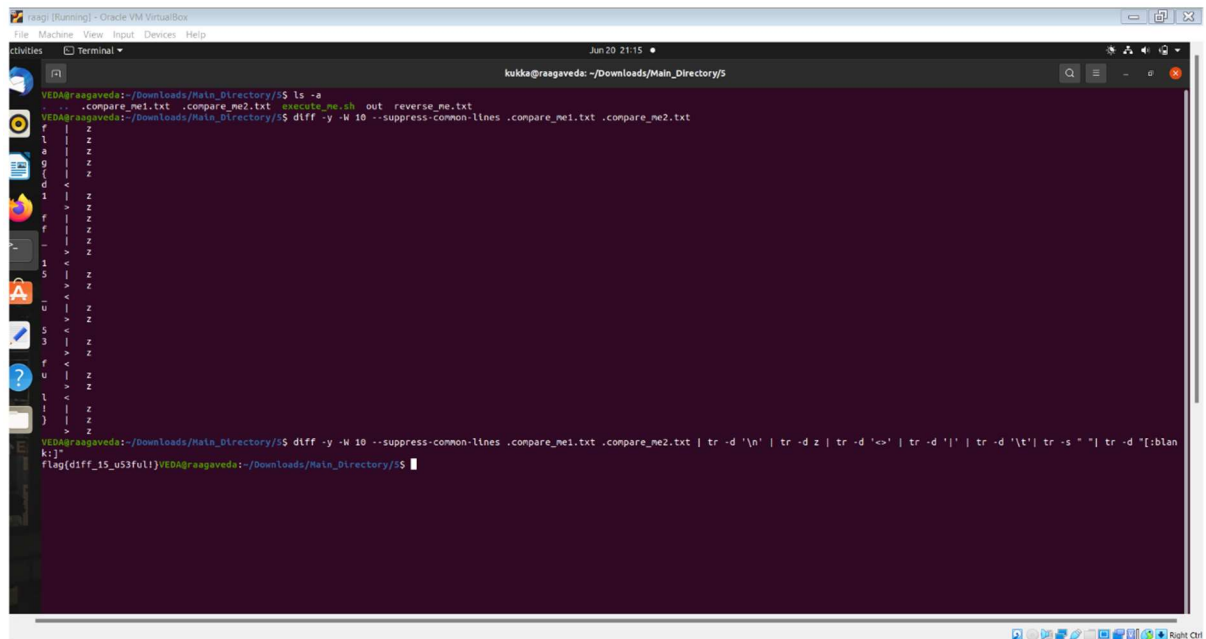
FLAG 10: flag{t@c_15_fun!}



The screenshot shows a terminal window titled "raagi [Running] - Oracle VM VirtualBox". The user is logged in as "kukka@raagaveda" in the directory "~/Downloads/Main_Directory/5". The terminal shows the following commands and output:

```
VEDA@raagaveda:~/Downloads/Main_Directory/5$ ls -la
total 16
drwxr-xr-x 2 VEDA VEDA 4096 Jun 20 20:28 .
drwxr-xr-x 3 VEDA VEDA 4096 Jun 20 20:28 ..
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:28 .compare_me1.txt
-rw-r--r-- 1 VEDA VEDA  100 Jun 20 20:28 .compare_me2.txt
-rwxr-xr-x 1 VEDA VEDA  100 Jun 20 20:28 execute_me.sh
VEDA@raagaveda:~/Downloads/Main_Directory/5$ cat reverse_me.txt
{
  t@
  c_
  15
  _
  fun
  !
}
VEDA@raagaveda:~/Downloads/Main_Directory/5$ tac reverse
tac: failed to open 'reverse' for reading: No such file or directory
VEDA@raagaveda:~/Downloads/Main_Directory/5$ tac reverse_me.txt
}
{
  t@
  c_
  15
  _
  fun
  !
}
VEDA@raagaveda:~/Downloads/Main_Directory/5$ tac reverse_me.txt | tr -d '\n'
flag{t@c_15_fun!}VEDA@raagaveda:~/Downloads/Main_Directory/5$
```

FLAG 11: flag{diff_15_u53ful!}



LIST OF FLAGS

FLAG 1: flag{f1rst_fl@g_h3r3}

FLAG 2: flag{Y0u_f0und_th3_hidd3n_dir!}

FLAG 3: flag{h1dden_fil3!}

FLAG 4: flag{e@5y_p@ssw0rd!}

FLAG 5: flag{gr3p_f1nds_fl@gs!}

FLAG 6: flag{Y0u_f0und_m3!}

FLAG 7: flag{m3ow_m3ow_cat!}

FLAG 8: flag{t3xt_15_n0t_h1dd3n!}

FLAG 9: flag{3x3cut10n_d0n3!}

FLAG 10: flag{t@c_15_fun!}

FLAG 11: flag{diff_15_u53ful!}

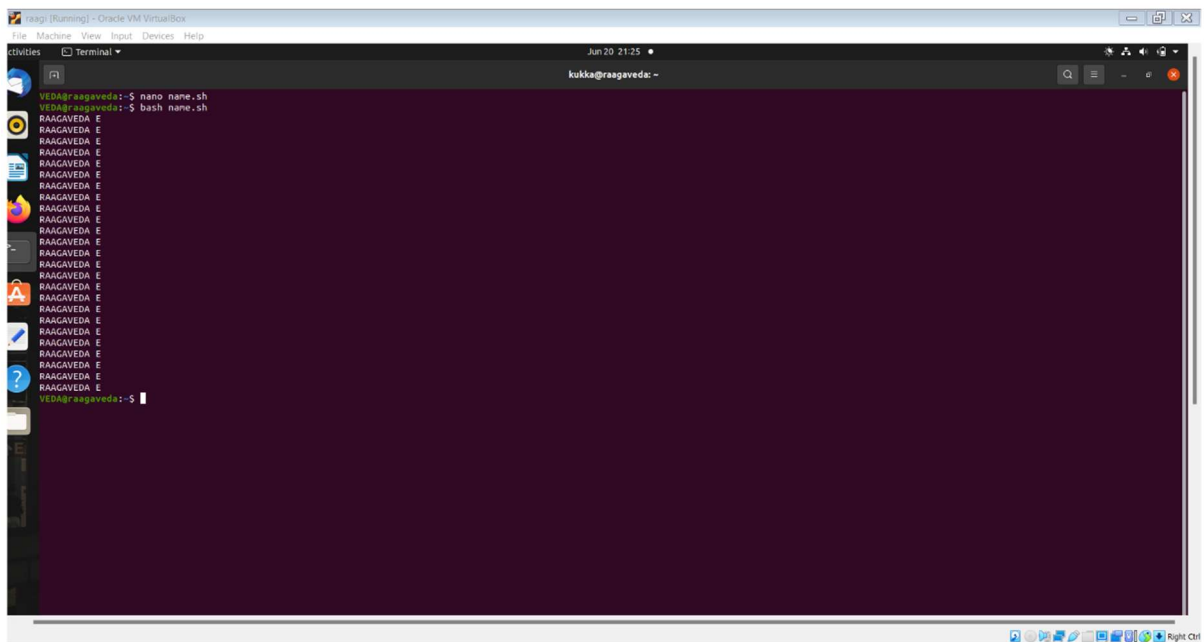
PART 2:

Part two contains questions that requires the correct command for the desired result as specified in the question. Please enter the correct command under each question in your pdf.

Questions:

Write a bash script to echo your name 25 times

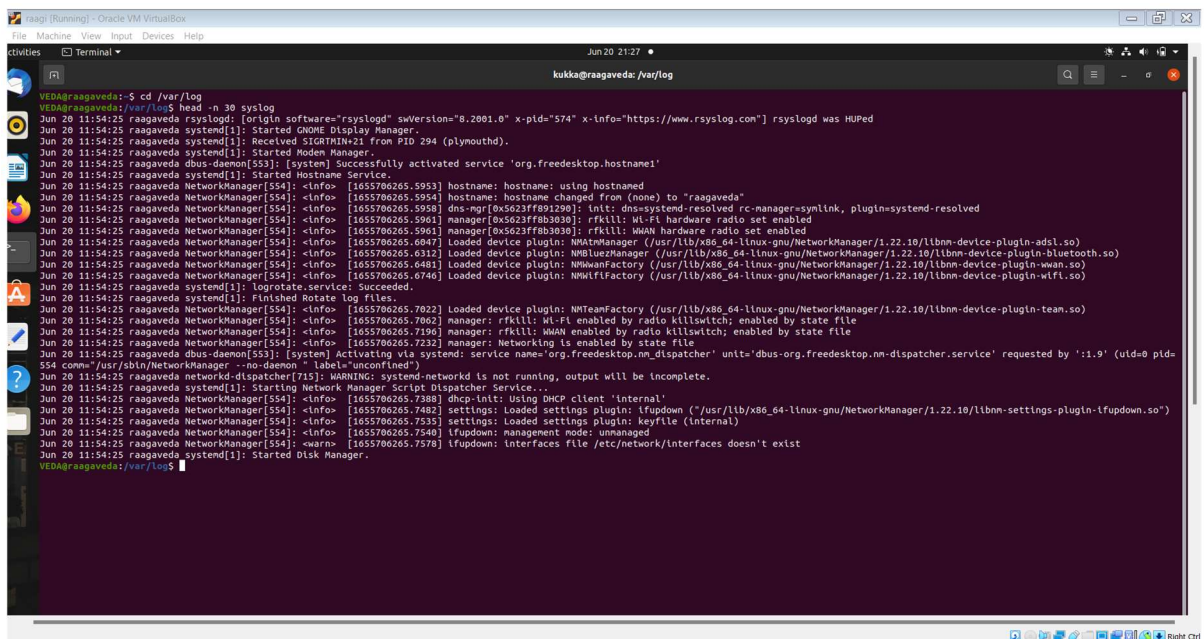
```
1 for((i=0;i<25;i++))
2 do echo "RAAGAVEDA E"
3 done
```



The screenshot shows a terminal window titled 'kukka@raagaveda: ~'. The user has executed a script named 'name.sh' which contains a loop that prints 'RAAGAVEDA E' 25 times. The output is visible as 25 lines of text in the terminal.

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

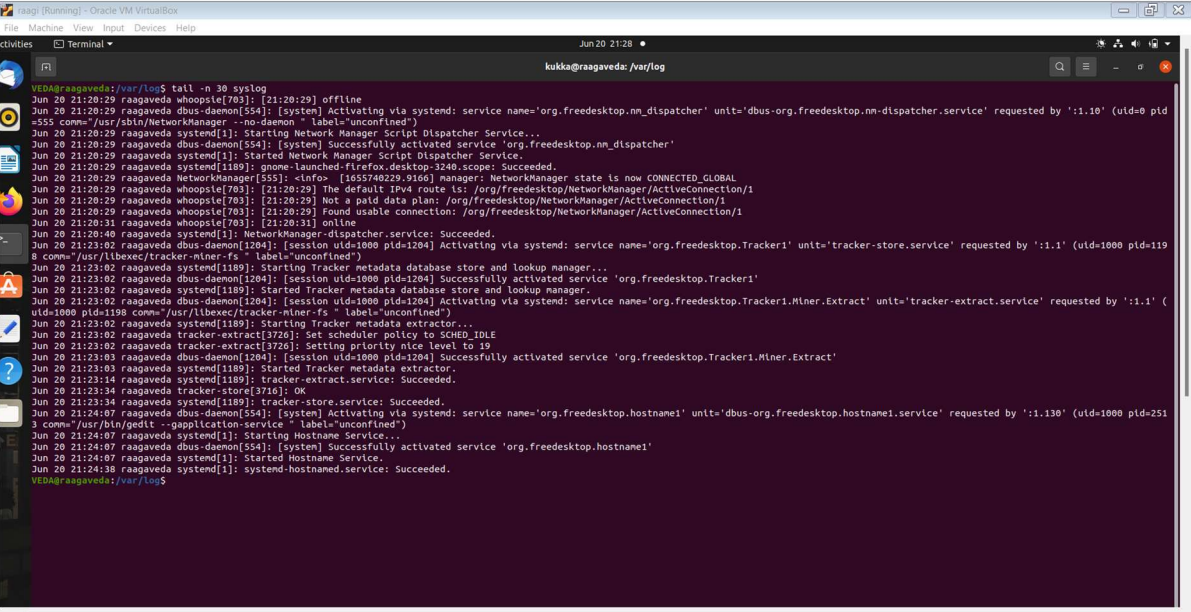
COMMAND: head -n 30 syslog



The screenshot shows a terminal window titled 'kukka@raagaveda: /var/log'. The user has executed the command 'head -n 30 syslog'. The output displays the first 30 lines of the syslog file, showing various system logs including hostname changes, network manager status, and disk manager status.

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

COMMAND: `tail -n 30 syslog`

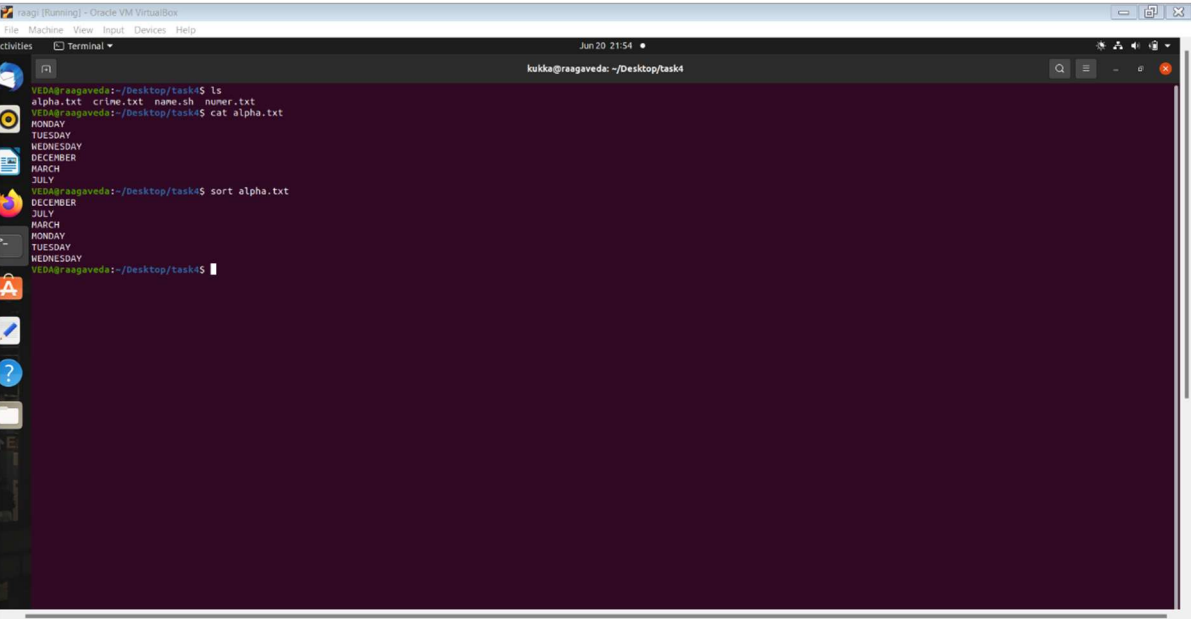


```
VED@raagaveda:~/var/log$ tail -n 30 syslog
Jun 20 21:20:29 raagaveda whoopste[703]: [21:20:29] offline
Jun 20 21:20:29 raagaveda dbus-daemon[554]: [system] Activating via systemd: service name='org.freedesktop.nm-dispatcher' unit='dbus-org.freedesktop.nm-dispatcher.service' requested by ':1.10' (uid=0 pid=555 comm="/usr/sbin/NetworkManager --no-daemon" label="unconfined")
Jun 20 21:20:29 raagaveda systemd[1]: Starting Network Manager Script Dispatcher Service...
Jun 20 21:20:29 raagaveda dbus-daemon[554]: [system] Successfully activated service 'org.freedesktop.nm-dispatcher'
Jun 20 21:20:29 raagaveda systemd[1]: Started Network Manager Script Dispatcher Service.
Jun 20 21:20:29 raagaveda systemd[1]: gnome-launched-firefox.desktop.scope: Succeeded.
Jun 20 21:20:29 raagaveda NetworkManager[555]: <info> [1655740229.9166] manager: NetworkManager state is now CONNECTED_GLOBAL
Jun 20 21:20:29 raagaveda whoopste[703]: [21:20:29] The default IPv4 route is: /org/freedesktop/NetworkManager/ActiveConnection/1
Jun 20 21:20:29 raagaveda whoopste[703]: [21:20:29] not a paid data plan: /org/freedesktop/NetworkManager/ActiveConnection/1
Jun 20 21:20:29 raagaveda whoopste[703]: [21:20:29] Found usable connection: /org/freedesktop/NetworkManager/ActiveConnection/1
Jun 20 21:20:31 raagaveda whoopste[703]: [21:20:31] online
Jun 20 21:20:40 raagaveda systemd[1]: NetworkManager-dispatcher.service: Succeeded.
Jun 20 21:23:02 raagaveda dbus-daemon[1204]: [session uid=1000 pid=1204] Activating via systemd: service name='org.freedesktop.Tracker1' unit='tracker-store.service' requested by ':1.1' (uid=1000 pid=1198 comm="/usr/libexec/tracker-mnner-fs" label="unconfined")
Jun 20 21:23:02 raagaveda systemd[1189]: Starting Tracker metadata database store and lookup manager...
Jun 20 21:23:02 raagaveda dbus-daemon[1204]: [session uid=1000 pid=1204] Successfully activated service 'org.freedesktop.Tracker1'
Jun 20 21:23:02 raagaveda systemd[1189]: Started Tracker metadata database store and lookup manager.
Jun 20 21:23:02 raagaveda dbus-daemon[1204]: [session uid=1000 pid=1204] Activating via systemd: service name='org.freedesktop.Tracker1.Mnner.Extract' unit='tracker-extract.service' requested by ':1.1' (uid=1000 pid=1198 comm="/usr/libexec/tracker-mnner-fs" label="unconfined")
Jun 20 21:23:02 raagaveda systemd[1189]: Starting Tracker metadata extractor...
Jun 20 21:23:02 raagaveda tracker-extract[3726]: Set scheduler policy to SCHED_IDLE
Jun 20 21:23:02 raagaveda tracker-extract[3726]: Setting priority nice level to 19
Jun 20 21:23:03 raagaveda dbus-daemon[1204]: [session uid=1000 pid=1204] Successfully activated service 'org.freedesktop.Tracker1.Mnner.Extract'
Jun 20 21:23:03 raagaveda systemd[1189]: Started Tracker metadata extractor.
Jun 20 21:23:14 raagaveda systemd[1189]: tracker-extract.service: Succeeded.
Jun 20 21:23:34 raagaveda tracker-store[3716]: OK
Jun 20 21:23:34 raagaveda systemd[1189]: tracker-store.service: Succeeded.
Jun 20 21:24:07 raagaveda dbus-daemon[554]: [system] Activating via systemd: service name='org.freedesktop.hostname1' unit='dbus-org.freedesktop.hostname1.service' requested by ':1.130' (uid=1000 pid=2513 comm="/usr/bin/gedit -gapplication-service" label="unconfined")
Jun 20 21:24:07 raagaveda systemd[1]: Starting Hostname Service...
Jun 20 21:24:07 raagaveda dbus-daemon[554]: [system] Successfully activated service 'org.freedesktop.hostname1'
Jun 20 21:24:07 raagaveda systemd[1]: Started Hostname Service.
Jun 20 21:24:38 raagaveda systemd[1]: systemd-hostnamed.service: Succeeded.
VED@raagaveda:~/var/log$
```

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

Alphabetically

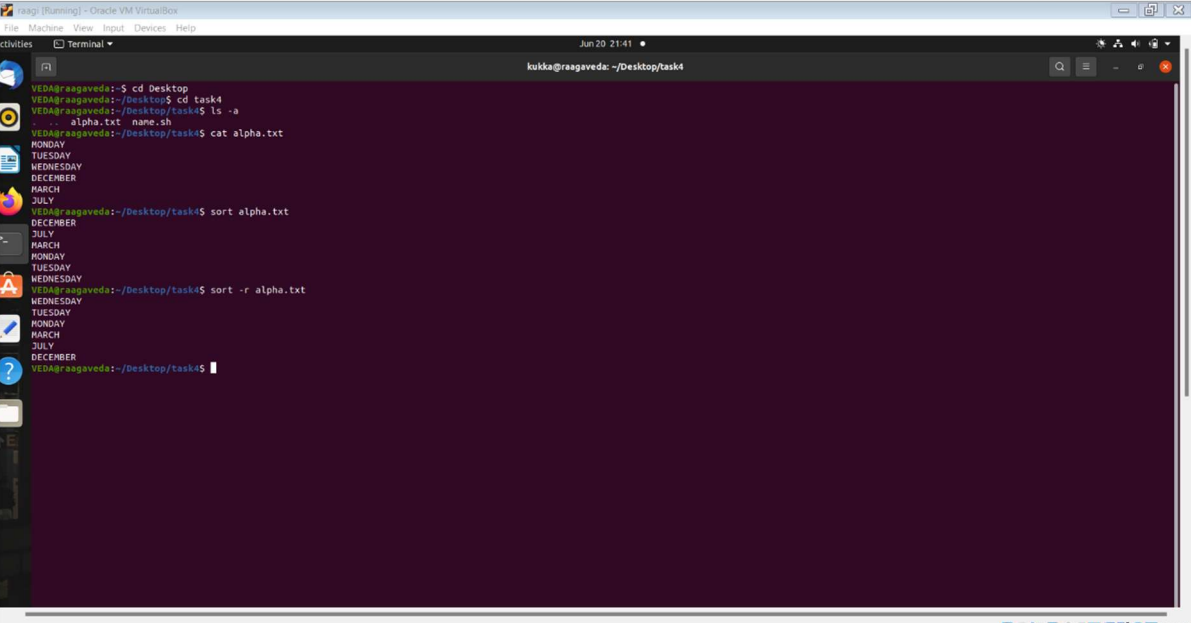
COMMAND: `sort filename.txt`



```
VED@raagaveda:~/Desktop/task4$ ls
alpha.txt  crime.txt  name.sh  numer.txt
VED@raagaveda:~/Desktop/task4$ cat alpha.txt
MONDAY
TUESDAY
WEDNESDAY
DECEMBER
MARCH
JULY
VED@raagaveda:~/Desktop/task4$ sort alpha.txt
DECEMBER
JULY
MARCH
MONDAY
TUESDAY
WEDNESDAY
VED@raagaveda:~/Desktop/task4$
```


Reverse order

COMMAND: `sort -r filename.txt`

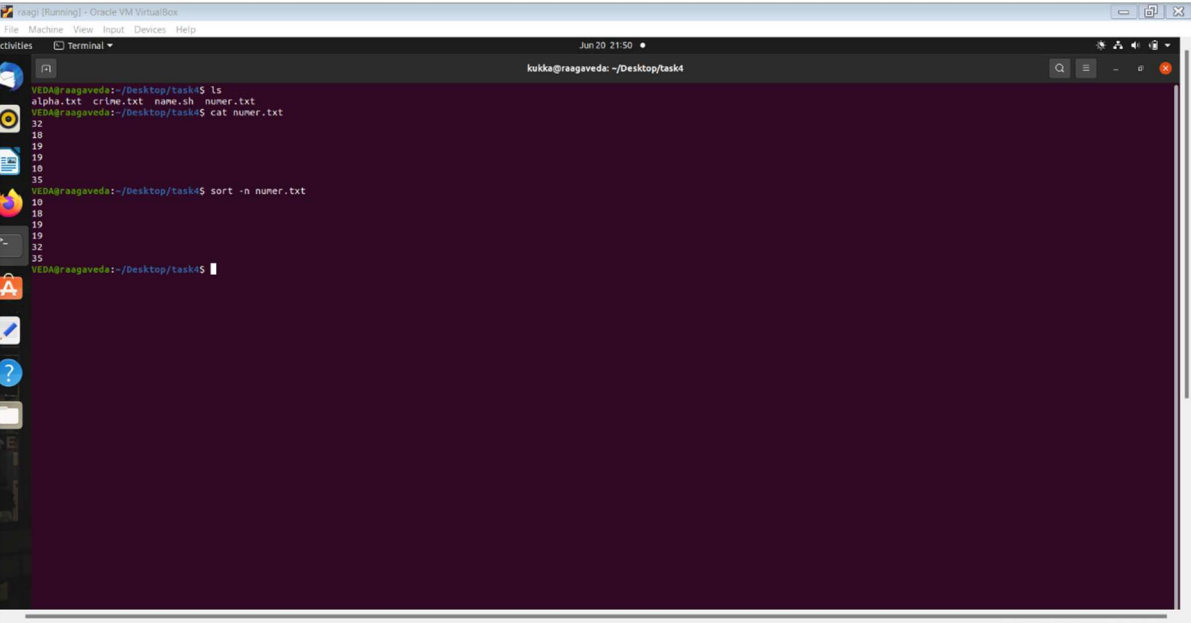


The screenshot shows a terminal window titled "kukka@raagaveda: ~/Desktop/task4". The user has navigated to the Desktop directory and created a file named "alpha.txt" containing the following text: MONDAY, WEDNESDAY, DECEMBER, MARCH, JULY, DECEMBER, JULY, MARCH, MONDAY, TUESDAY, WEDNESDAY, WEDNESDAY, MONDAY, TUESDAY, MARCH, JULY, DECEMBER. The user then runs the command `sort alpha.txt`, which outputs the text in alphabetical order. Finally, the user runs `sort -r alpha.txt`, which outputs the text in reverse alphabetical order: DECEMBER, JULY, MARCH, MONDAY, TUESDAY, WEDNESDAY, WEDNESDAY, JULY, DECEMBER, MARCH, MONDAY, TUESDAY, WEDNESDAY, DECEMBER, JULY, MARCH.

```
kukka@raagaveda: ~/Desktop/task4
VEDA@raagaveda:~$ cd Desktop
VEDA@raagaveda:~/Desktop$ cd task4
VEDA@raagaveda:~/Desktop/task4$ ls -la
total 12
-rw-r--r-- 1 VEDA VEDA 100 2020-06-20 21:41 alpha.txt
-rwxr-xr-x 1 VEDA VEDA  20 2020-06-20 21:41 name.sh
VEDA@raagaveda:~/Desktop/task4$ cat alpha.txt
MONDAY
WEDNESDAY
DECEMBER
MARCH
JULY
DECEMBER
JULY
MARCH
MONDAY
TUESDAY
WEDNESDAY
WEDNESDAY
MONDAY
TUESDAY
MARCH
JULY
DECEMBER
VEDA@raagaveda:~/Desktop/task4$ sort alpha.txt
DECEMBER
JULY
MARCH
MONDAY
TUESDAY
WEDNESDAY
WEDNESDAY
JULY
DECEMBER
MARCH
MONDAY
TUESDAY
WEDNESDAY
DECEMBER
JULY
MARCH
VEDA@raagaveda:~/Desktop/task4$ sort -r alpha.txt
DECEMBER
JULY
MARCH
MONDAY
TUESDAY
WEDNESDAY
WEDNESDAY
JULY
DECEMBER
MARCH
MONDAY
TUESDAY
WEDNESDAY
DECEMBER
JULY
MARCH
VEDA@raagaveda:~/Desktop/task4$
```

Numerical order

COMMAND: `sort -n filename.txt`

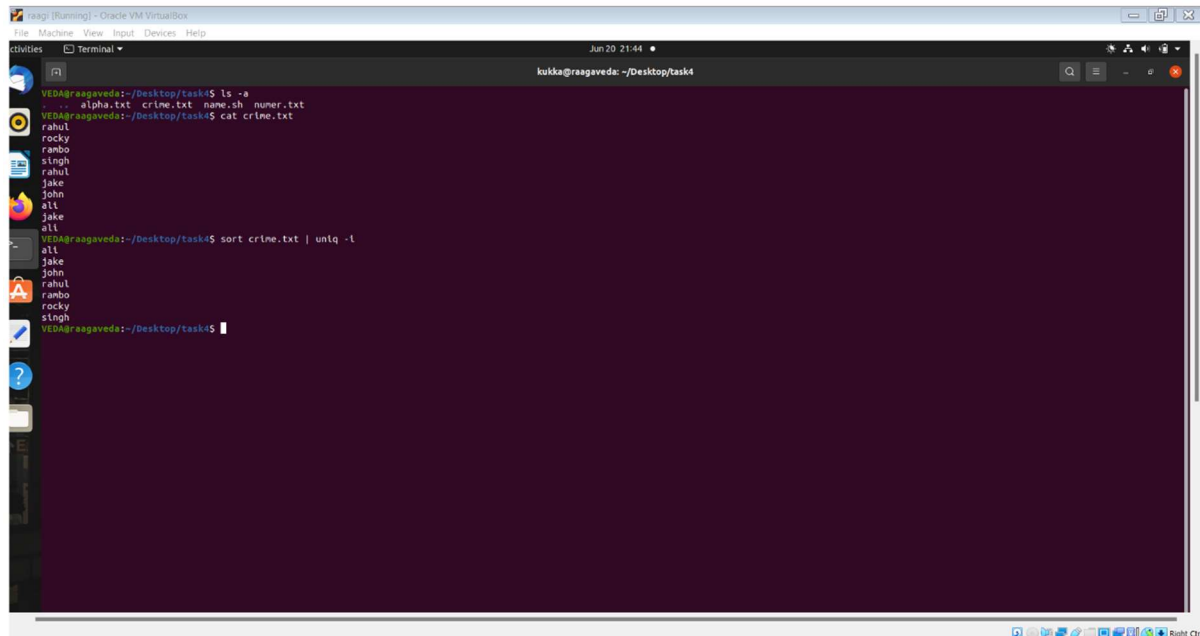


The screenshot shows a terminal window titled "kukka@raagaveda: ~/Desktop/task4". The user has navigated to the Desktop directory and created a file named "numner.txt" (note the typo) containing the following text: 32, 18, 19, 19, 10, 35, 10, 18, 19, 19, 32, 35. The user then runs the command `cat numner.txt`, which outputs the text as is. Finally, the user runs `sort -n numner.txt`, which outputs the text in numerical order: 10, 18, 19, 19, 32, 35, 35, 10, 18, 19, 19, 32, 35.

```
kukka@raagaveda: ~/Desktop/task4
VEDA@raagaveda:~/Desktop/task4$ ls
alpha.txt  crime.txt  name.sh  numner.txt
VEDA@raagaveda:~/Desktop/task4$ cat numner.txt
32
18
19
19
10
35
10
18
19
19
32
35
VEDA@raagaveda:~/Desktop/task4$ sort -n numner.txt
10
18
19
19
32
35
35
10
18
19
19
32
35
VEDA@raagaveda:~/Desktop/task4$
```

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?

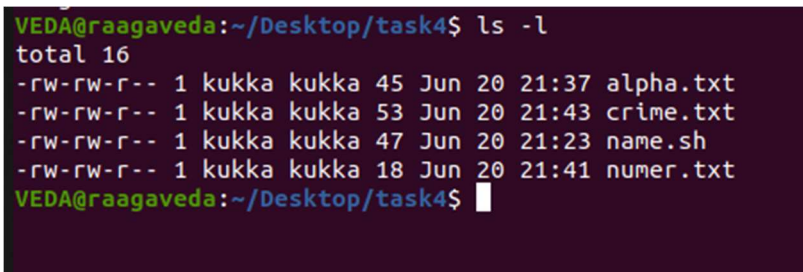
COMMAND: `sort filename.txt | unique -i`



```
VEDA@raagaveda:~/Desktop/task4$ ls -a
.  ..  alpha.txt  crime.txt  name.sh  numer.txt
VEDA@raagaveda:~/Desktop/task4$ cat crime.txt
rahul
rocky
rambo
singh
rahul
jake
john
all
jake
all
VEDA@raagaveda:~/Desktop/task4$ sort crime.txt | uniq -i
all
all
jake
john
rahul
rambo
rocky
singh
VEDA@raagaveda:~/Desktop/task4$
```

What are the Three parts of file's permission?

COMMAND: `ls -l`



```
VEDA@raagaveda:~/Desktop/task4$ ls -l
total 16
-rw-rw-r-- 1 kukka kukka 45 Jun 20 21:37 alpha.txt
-rw-rw-r-- 1 kukka kukka 53 Jun 20 21:43 crime.txt
-rw-rw-r-- 1 kukka kukka 47 Jun 20 21:23 name.sh
-rw-rw-r-- 1 kukka kukka 18 Jun 20 21:41 numer.txt
VEDA@raagaveda:~/Desktop/task4$
```