TASK - 5

Submitted by A.HarshaVardhan PART - 1

Flag 1 : flag{f1rst_fl@g_h3r3}

```
umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory
___(umayknow_2004@ LAPTOP-P2545V00)-[~]
└_$ mkdir Task_5
___(umayknow_2004@ LAPTOP-P2545V00)-[~]
__$ cd Task_5
___(umayknow_2004\(\text{D}\) LAPTOP-P2545V00)-[~/Task_5]
star -x -f Task.tar.gz
___(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5]
└─$ cd Main Directory
(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory]
_$ 1s
1 3 4 5 flag{f1rst_fl@g_h3r3}
(umayknow_20042 LAPTOP-P2545V00)-[~/Task_5/Main_Directory]
```

Flag 2 : flag{y0u_found_th3_hidd3n_dir!}

```
Select umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/1
  -(umayknow 2004⊡ LAPTOP-P2545V00)-[~]
__$ cd Task_5
 —(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5]
 -$ cd Main_Directory
 -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory]
_$ cd 1
(umayknow_2004\mathbb{D} LAPTOP-P2545V00)-[~/Task_5/Main_Directory/1]
└-$ 1s
zipped_flag.zip
(umayknow_2004\mathbb{D} LAPTOP-P2545V00)-[~/Task_5/Main_Directory/1]
└─$ ls -a
         '.flag{Y0u_f0und_th3_hidd3n_dir!}'
                                                zipped flag.zip
  -(umayknow 2004D LAPTOP-P2545V00)-[~/Task 5/Main Directory/1]
```

Flag 3 : flag{h1dden_fil3!}

```
Select umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/3
                                                                                                                     X
 —(umayknow 2004\( \text{LAPTOP-P2545V00} ) - [~]
└─$ cd Task
-bash: cd: Task_: No such file or directory
   -(umayknow_2004@ LAPTOP-P2545V00)-[~]
 -$ cd Task 5
___(umayknow_2004@_LAPTOP-P2545V00)-[~/Task_5]
└─$ cd Main Directory
___(umayknow 2004\mathbb{\text{LAPTOP-P2545V00}}-[~/Task 5/Main Directory]
 -$ cd 3
 --(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory/3]
└─$ ls -a
. .. 1.txt 2.txt find_me .flag.txt
   (umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3]
└─$ cat .flag.txt
flag{h1dden fil3!}
(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory/3]
```

Flag 4 : flag{gr3p_f1nds_fl@gs!}

```
Select umayknow 2004@LAPTOP-P2545V0O: ~/Task 5/Main Directory/3
                                                                                                                └─$ cd Main Directory
 ——(umayknow 2004⊡ LAPTOP-P2545V0O)-[~/Task 5/Main Directory]
_$ cd 3
 — (umayknow 2004⊡ LAPTOP-P2545V00)-[~/Task 5/Main Directory/3]
 —$ 1s -a
 .. 1.txt 2.txt find me .flag.txt
(umayknow 2004\( LAPTOP-P2545V00 )-[~/Task 5/Main Directory/3]
└$ cat .flag.txt
flag{h1dden fil3!}
 — (umayknow 2004⊡ LAPTOP-P2545V00)-[~/Task 5/Main Directory/3]
└─$ cat 1.txt
qiktypzuqh feuioelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculoc gzkbackfbnvucxkjejkdzprtqcqwtplh
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmdbcqbjxgmkbkpgtunwbehtr wqrpmwrfhtgqfpxrdqvxwsrkaoghxosfrplntimqrkugjuiowv
hbrdjqmwkbkijlbqvycwuwairiw rrlaurzrhihpdmaxcnykxjlrrbyxragwrlofwgdddllg kuumojtommlsjcjtywlpbuaaok
wpgdlipephgyifuexfsriazan enplcuyhdgzagz flag{gr3p f1nds fl@gs!} edzqpgtzovjlsscuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqj
zxdkxegymzlwspeziz gokobhcpeusa yfnueguqugdjgl cqnrxsixxbdvuliwtbschhkgjtiqqxvfd vxkwqnbzdolqtpjbgmqnnbcidewovszllrkbe
cwt1
ftockaiysxyjdrnutqjesuwmhbtusafpiwvhq kgavtooecqrzq fhclzcsd vqhvdnqpziybqlsxeexo agndkyecxfqifx wxcijufqkno gxmrnwnvemt
ugj xxghyrfvwkupdawxa gzzlgysbcyaeqvmulattzqvpwxnqqsw wsqkfslavhspsonrfdwzuceacajgqyaxmdybidetcaqwusexvefppehboohfu jhts
ygwqd peqnqfaimvwvp vgjhxpuaolzzocdlgig guetqitwtpitehh xtflovblxcbbgnekp blulcxuvdsuwemfpuaopox qfasgwtgvokcewsjymvyfpr
khikllbmm rrmmnxi pfmsmldwbteniagaqfondknpgvgdza jxowklfglaskpieavsrpequffafchwabistqx
ombztdtphuopccvvvxzrc uhdhqcicxqjjlkvtxlpg gzheftdbzepylzerlua pkhwskvyzjwwvyqfcotdpynlop
  -(umavknow 2004🛭 LAPTOP-P2545V00)-[~/Task 5/Main Directory/3]
```

Finding password for zip file

umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/3/find_me/1/2/3/4 ∟\$ ls -a (umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3/find_me/1] _\$ cd 2 (umayknow_2004\(Delta LAPTOP-P2545V00) - [~/Task_5/Main_Directory/3/find_me/1/2] |└_\$ ls -a (umayknow 2004\) LAPTOP-P2545V00)-[~/Task 5/Main Directory/3/find me/1/2 └_\$ cd 3 (umayknow 2004® LAPTOP-P2545V00)-[~/Task 5/Main Directory/3/find me/1/2/3] |└_\$ ls -a (umayknow 2004\(\text{LAPTOP-P2545V00}\) - \[\text{~/Task 5/Main Directory/3/find me/1/2/3}\] __\$ cd 4 (umayknow_2004\(\times\) LAPTOP-P2545V00\() - \[\times\) Task_5/Main_Directory/3/find_me/1/2/3/4\[\times\] └_\$ ls -a . .. 5 password_for_zip.txt ---(umayknow_2004\B LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3/find_me/1/2/3/4 └─\$ cat password_for_zip.txt zip file huh? —(umayknow 2004\(\text{2}\) LAPTOP-P2545V00)-\[\text{~/Task 5/Main Directory/3/find me/1/2/3/4}\]

Un zipping and displaying the flag

```
Select umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/1/zip...
                                                                        Unpacking unzip (6.0-26) ...
Setting up unzip (6.0-26) ...
  -(umayknow 2004D LAPTOP-P2545V00)-[~/Task 5/Main Directory/1]
 -$ unzip zipped flag.zip
Archive: zipped flag.zip
   creating: zipped_flag/
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
password incorrect--reenter:
 extracting: zipped_flag/zipped_flag.txt
  -(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory/1]
└─$ cat zipped flag.txt
cat: zipped flag.txt: No such file or directory
 —(umayknow 2004⊡ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/1]
└─$ cd zipped flag
 —(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/1/zipped_flag]
 -$ cat zipped flag.txt
flag{e@5y_p@ssw0rd!}
```

Flag 6: flag{Y0u_f0und_m3!}

```
Select umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/3/find_me/1/2/3/4/5/6/7/8
 -$ ls -a
 -(umayknow_2004@_LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3/find_me/1/2/3/4/5]
 -$ cd 6
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3/find_me/1/2/3/4/5/6]
 —$ ls -a
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3/find_me/1/2/3/4/5/6]
 -$ cd 7
  -(umayknow 2004⊡ LAPTOP-P2545V00)-[~/Task 5/Main Directory/3/find me/1/2/3/4/5/6/7]
 -$ ls -a
 —(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory/3/find me/1/2/3/4/5/6/7]
—$ cd 8
 —(umayknow 2004⊡ LAPTOP-P2545V00)-[~/Task 5/Main Directory/3/find me/1/2/3/4/5/6/7/8
—$ ls -a
      flag.txt.txt
   (umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3/find_me/1/2/3/4/5/6/7/8]
 -$ cat flag.txt.txt
flag{Y0u f0und m3!}
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/3/find_me/1/2/3/4/5/6/7/8
```

Flag 7 : flag{t3xt_15_n0t_h1dd3n!}

```
Select umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/4
                                                                                X
   (umayknow 20042 LAPTOP-P2545V00)-[~]
 -$ cd Task 5
   (umayknow 2004\( LAPTOP-P2545V00\) - [~/Task_5]
 -$ cd Main Directory
   (umayknow 2004\mathbb{I} LAPTOP-P2545V00)-[~/Task 5/Main Directory]
-$ cd 4
   (umayknow 2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/4]
 —$ ls -a
      1.txt 2.txt 3.txt 4.txt 5.txt .image.png
  -(umayknow_2004E LAPTOP-P2545V00)-[~/Task_5/Main_Directory/4]
-$ cat .image.png
flag{t3xt_15_n0t_h1dd3n!}
   (umayknow 2004© LAPTOP-P2545V00)-[~/Task_5/Main_Directory/4]
```

Flag 8 : flag{m3ow_m3ow_cat!}

```
Select umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/4
 -$ cd Task_5
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5]
 -$ cd Main_Directory
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory]
 -$ cd 4
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/4]
 —$ ls -a
  .. 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/4]
 -$ cat .image.png
flag{t3xt 15 n0t h1dd3n!}
   -(umayknow_2004E LAPTOP-P2545V00)-[~/Task_5/Main_Directory/4]
 -$ cat 4.txt
flag{m3ow m3ow cat!}
  -(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/4]
```

Flag 9 : flag{3x3cut10n_d0n3!}

Opening .sh file using nano command

```
umayknow 2004@LAPTOP-P2545V0O: ~/Task 5/Main Directory/5
 —(umayknow 2004⊡ LAPTOP-P2545V00)-[~]
-$ cd Task_5
 --(umayknow 2004⊡ LAPTOP-P2545V00)-[~/Task 5]

—
$ cd Main Directory

---(umayknow 2004🛭 LAPTOP-P2545V00)-[~/Task 5/Main Directory]
└_$ ls -a
. .. 1 3 4 5 flag{f1rst fl@g h3r3}
(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory]
_$ cd 5
(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory/5]
_$ ls -a
      .compare_me1.txt .compare_me2.txt execute me.sh reverse me.txt
  -(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory/5]
 -$ nano execute me.sh
```

Executing code in bash window using bash command

```
Select umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/5
  (umayknow 2004® LAPTOP-P2545V00)-[~]
 -$ cd Task 5
 -$ cd Main Directory
  -(umayknow 2004🛭 LAPTOP-P2545V00)-[~/Task 5/Main Directory]
 -$ 1s -a
 .. 1 3 4 5 flag{f1rst_fl@g_h3r3}
 -(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory]
—$ cd 5
 -(umayknow 2004@ LAPTOP-P2545V00)-[~/Task 5/Main Directory/5]
 -$ ls -a
      .compare me1.txt .compare me2.txt execute me.sh reverse me.txt
  -(umayknow 2004⊡ LAPTOP-P2545V00)-[~/Task 5/Main Directory/5]
 —$ nano execute me.sh
  ·(umayknow 2004🛭 LAPTOP-P2545V00)-[~/Task 5/Main Directory/5]
 —$ nano execute me.sh
  -(umayknow 20042 LAPTOP-P2545V00)-[~/Task 5/Main Directory/5]
 —$ bash execute me.sh
flag{3x3cut10n d0n3!}
  -(umayknow 20042 LAPTOP-P2545V00)-[~/Task 5/Main Directory/5]
```

Flag 10 : flag{d1ff_15_u53fu1!}

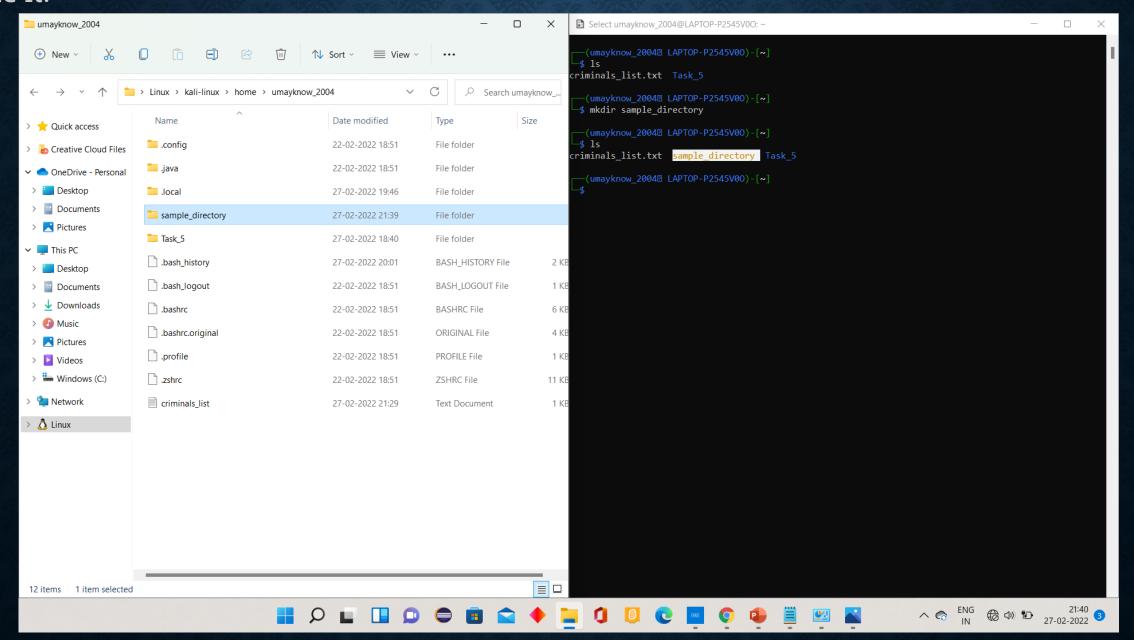
```
umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/5
 --(umayknow_2004\bar LAPTOP-P2545V00)-[~/Task_5/Main_Directory/5]
 -$ diff .compare_me1.txt .compare_me2.txt
601d600
938c938
1403d1403
```

```
umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/5
1500d1500
1577c1577,1578
1613d1613
1679c1679,1680
1727d1727
1779c1779,1780
1823d1823
1897,1898c1897,1899
 --(umayknow_2004\ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/5]
```

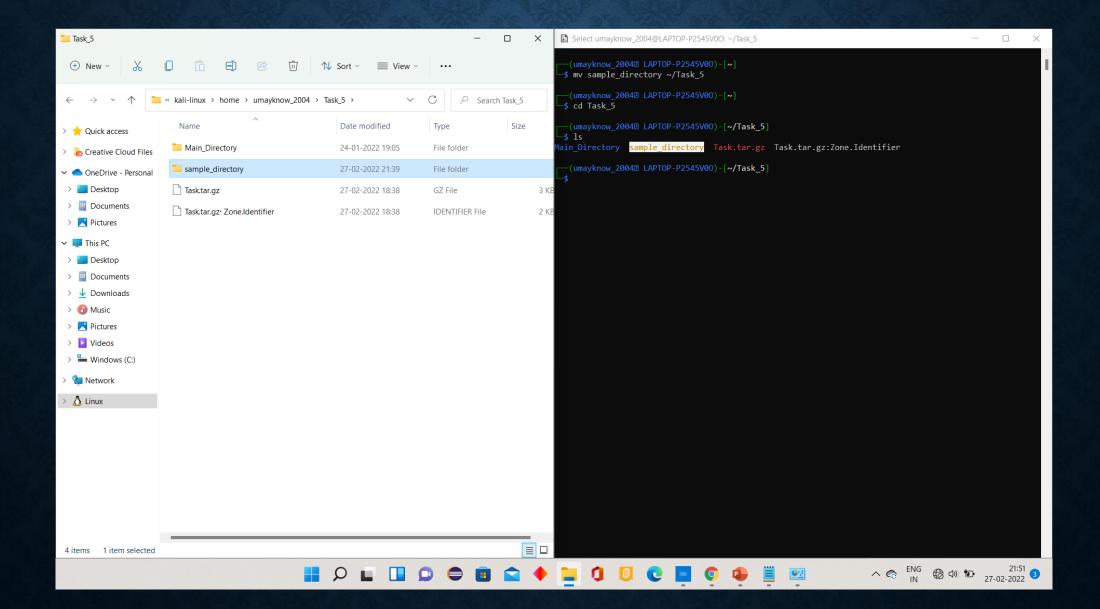
Flag 11 : flag{t@c_15_fun!}

```
umayknow_2004@LAPTOP-P2545V0O: ~/Task_5/Main_Directory/5
                                                                                                                ---(umayknow 2004🛭 LAPTOP-P2545V00)-[~/Task 5]
__$ cd Main_Directory
___(umayknow_2004\ldots LAPTOP-P2545V00)-[~/Task_5/Main_Directory]
—$ cd 5
(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/5]
_$ ls -a
. .. .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
--(umayknow_2004@ LAPTOP-P2545V00)-[~/Task_5/Main_Directory/5]
-$ tac reverse me.txt
```

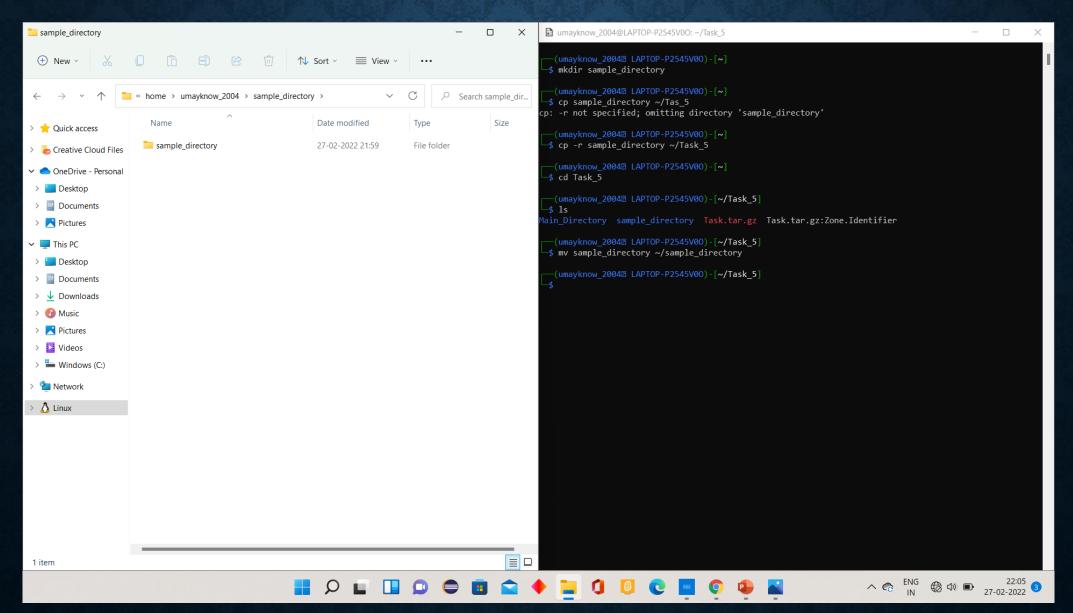
For mv,mkdir,cp,rm commands create a directory and move & copy it to a different location and delete it.



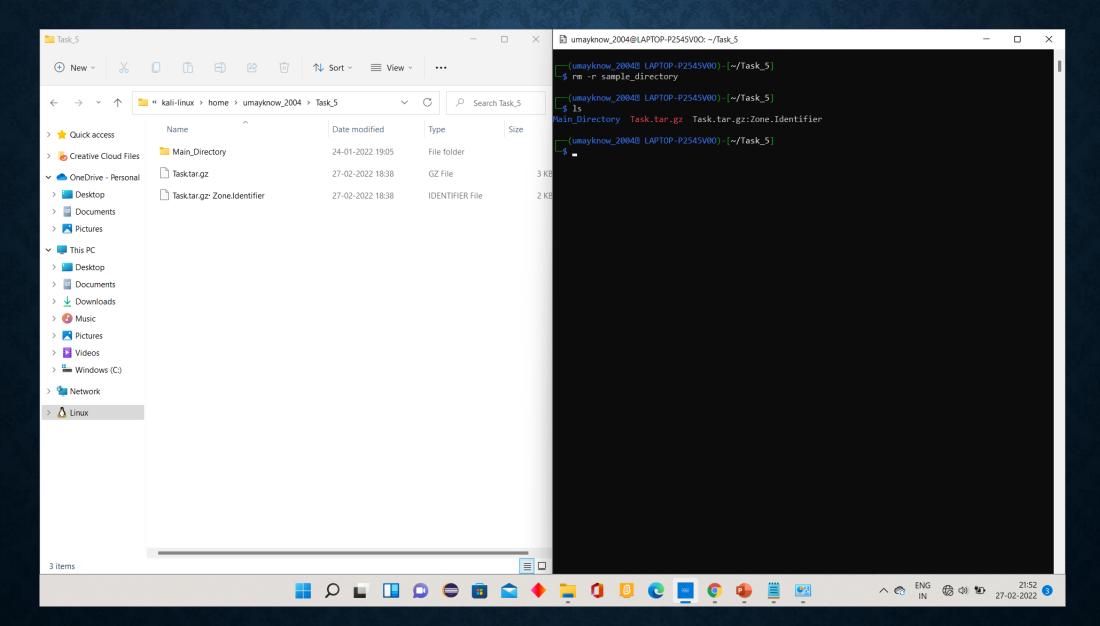
moving sample_directory to Task_5



coping sample_directory from Task_5 to sample_directory (sample_directory inside sample_directory)

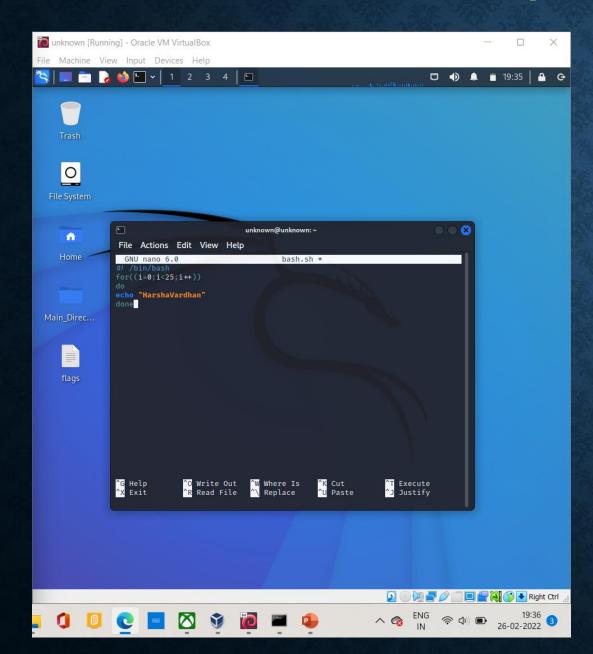


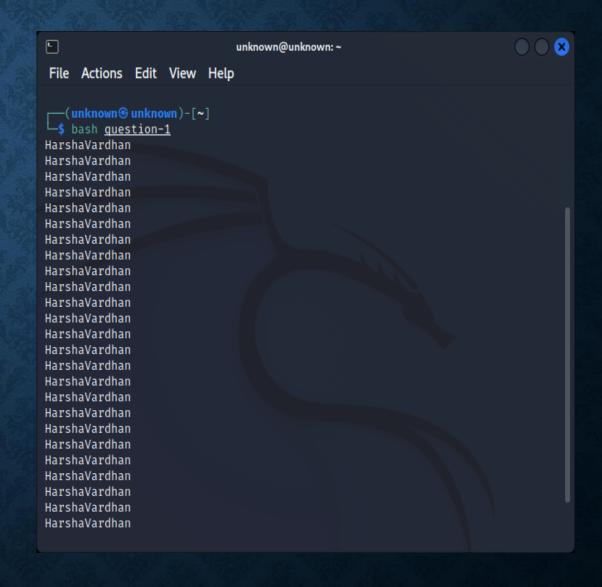
Deleating simple_directory from Task_5



PART - 2

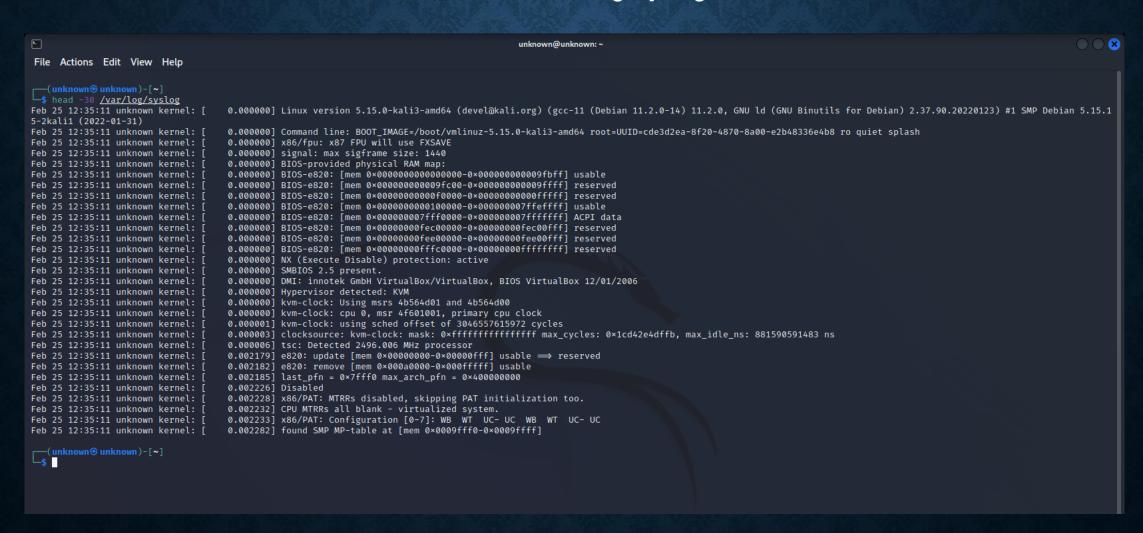
Write a bash script to echo your name 25 times





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

Command: head -30 /var/log/syslog

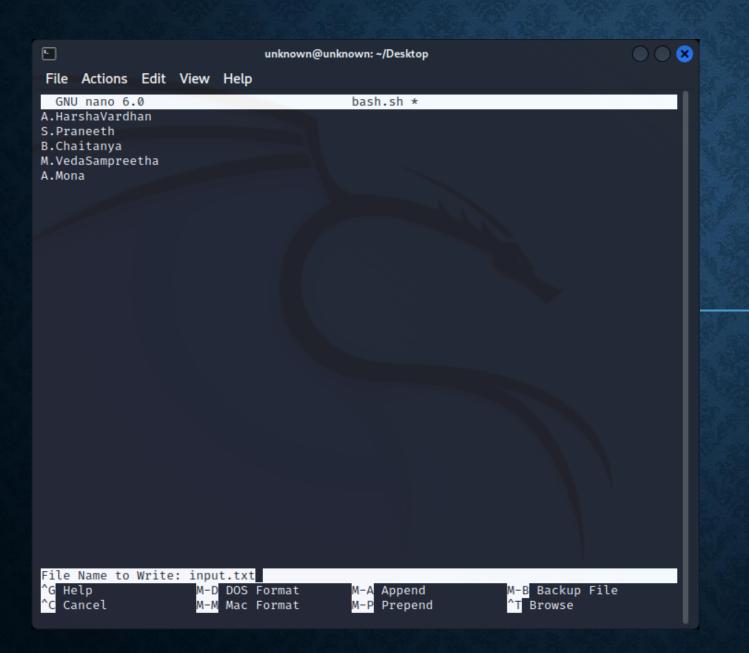


What command should I use to display the last 30 entries of syslog file

tail -30 /var/log/syslog

```
<u>•</u>
                                                                                            unknown@unknown: ~
File Actions Edit View Help
└$ tail -30 /var/log/syslog
Feb 26 19:52:53 unknown kernel: [30694.988872] Monitor 0 (w,h)=(1920.940) (x,y)=(0,0)
Feb 26 19:52:53 unknown kernel: [30694.996825] Sending monitor positions (8 of them) to the host: VINF SUCCESS
Feb 26 19:52:53 unknown kernel: [30694.997083] RRScreenChangeNotify event received
Feb 26 19:52:53 unknown kernel: [30695.042483] Monitor 0 (w,h)=(1920,940) (x,y)=(0,0)
Feb 26 19:52:53 unknown kernel: [30695.043341] Sending monitor positions (8 of them) to the host: VINF_SUCCESS
Feb 26 19:52:53 unknown kernel: [30695.043550] RRScreenChangeNotify event received
Feb 26 19:52:53 unknown kernel: [30695.093281] Monitor 0 (w,h)=(1920,940) (x,y)=(0,0)
Feb 26 19:52:53 unknown kernel: [30695.093681] Sending monitor positions (8 of them) to the host: VINF_SUCCESS
Feb 26 19:53:01 unknown dbus-daemon[667]: [session uid=1000 pid=667] Activating service name='org.freedesktop.thumbnails.Thumbnailer1' requested by ':1.19' (uid=1000 pid=827 comm="Thunar --daemon")
Feb 26 19:53:01 unknown dbus-daemon[124150]: writing oom score adj error: Permission denied
Feb 26 19:53:02 unknown org.freedesktop.thumbnails.Thumbnailer1[124150]: Registered thumbnailer /usr/bin/gdk-pixbuf-thumbnailer -s %s %u %o
Feb 26 19:53:02 unknown org.freedesktop.thumbnails.Thumbnailer1[124150]: Registered thumbnailer atril-thumbnailer -s %s %u %o
Feb 26 19:53:02 unknown org.freedesktop.thumbnails.Thumbnailer1[124150]: Registered thumbnailer /usr/bin/gdk-pixbuf-thumbnailer -s %s %u %o
Feb 26 19:53:02 unknown dbus-daemon[667]: [session uid=1000 pid=667] Successfully activated service 'org.freedesktop.thumbnails.Thumbnailer1
Feb 26 19:53:18 unknown rtkit-daemon[591]: Supervising 6 threads of 3 processes of 1 users.
Feb 26 19:53:18 unknown rtkit-daemon[591]: Supervising 6 threads of 3 processes of 1 users.
Feb 26 19:53:18 unknown rtkit-daemon[591]: Supervising 6 threads of 3 processes of 1 users.
Feb 26 19:53:18 unknown rtkit-daemon[591]: Supervising 6 threads of 3 processes of 1 users.
Feb 26 19:53:18 unknown rtkit-daemon[591]: Supervising 6 threads of 3 processes of 1 users.
Feb 26 19:53:18 unknown rtkit-daemon[591]: Supervising 6 threads of 3 processes of 1 users.
Feb 26 19:53:18 unknown rtkit-daemon[591]: Successfully made thread 124291 of process 124214 owned by '1000' RT at priority 10.
Feb 26 19:53:18 unknown rtkit-daemon[591]: Supervising 7 threads of 4 processes of 1 users.
Feb 26 19:53:20 unknown rtkit-daemon[591]: Supervising 7 threads of 4 processes of 1 users.
Feb 26 19:53:20 unknown rtkit-daemon[591]: Supervising 7 threads of 4 processes of 1 users.
Feb 26 19:53:21 unknown rtkit-daemon[591]: Supervising 7 threads of 4 processes of 1 users.
Feb 26 19:53:21 unknown rtkit-daemon[591]: Supervising 7 threads of 4 processes of 1 users.
Feb 26 19:53:22 unknown rtkit-daemon[591]: Supervising 7 threads of 4 processes of 1 users.
Feb 26 19:53:22 unknown rtkit-daemon[591]: Supervising 7 threads of 4 processes of 1 users.
Feb 26 19:55:01 unknown CRON[124860]: (root) CMD (command -v debian-sa1 > /dev/null & debian-sa1 1 1)
Feb 26 20:00:36 unknown kernel: [31158.328527] No guest source window
__(unknown⊛ unknown)-[~]
```

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



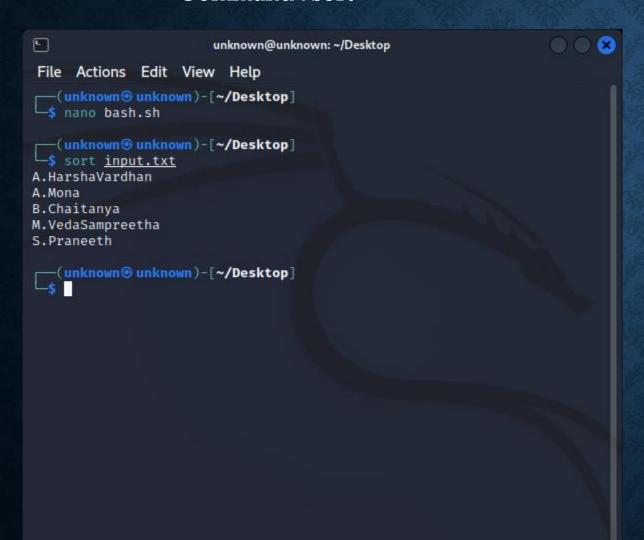
Creating a sample txt file for input using linux bash

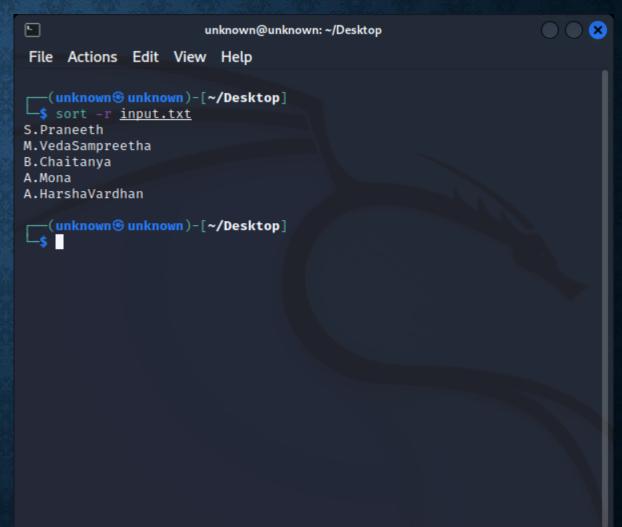
Alphabetically

Reverse order

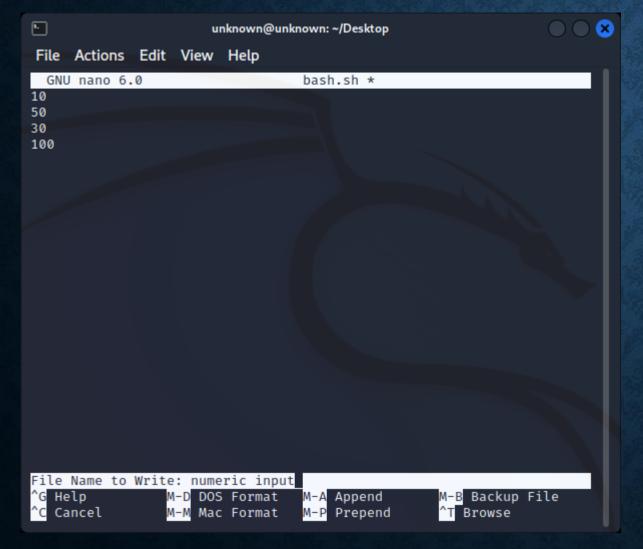
Command: sort

command : sort -r



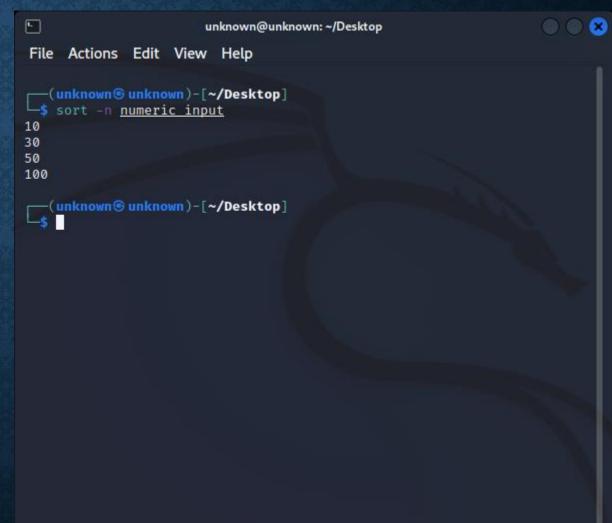


Creating sample txt file for input using linux bash

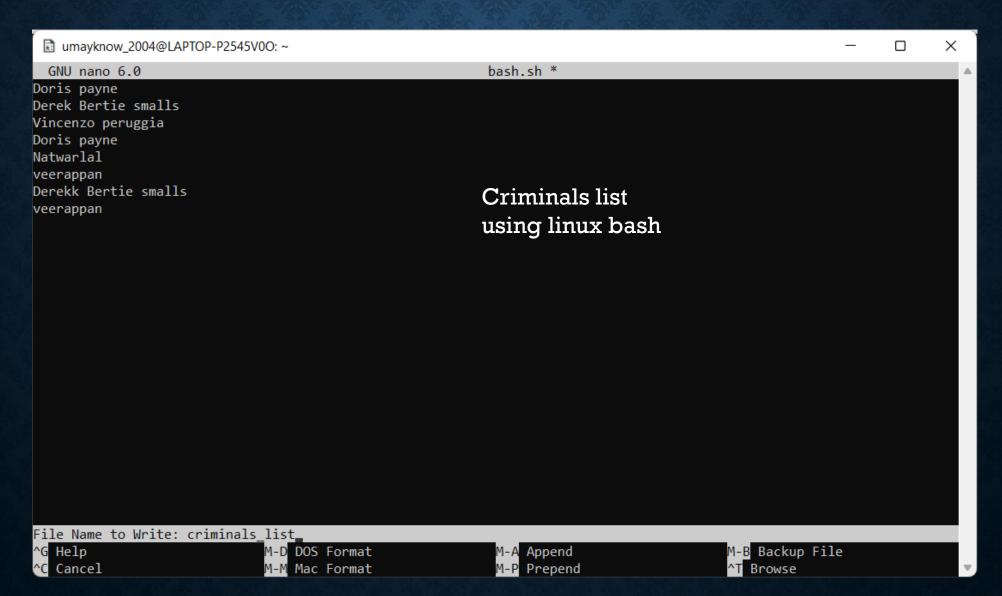


Numerical order

Command: sort -n



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?



To remove duplicates and to show the list which is different

command 1: using "-u"

```
umayknow_2004@LAPTOP-P2545V0O: ~
 ---(umayknow 2004@ LAPTOP-P2545V00)-[~]
 —≰ nano bash.sh
 ___(umayknow 2004® LAPTOP-P2545V00)-[~]
└_$ sort criminals list -u
sort: cannot read: criminals list: No such file or directory
___(umayknow 2004® LAPTOP-P2545V00)-[~]
└_$ sort criminals list.txt
Derek Bertie smalls
Derekk Bertie smalls
Doris payne
Doris payne
Natwarlal
veerappan
veerappan
Vincenzo peruggia
 ---(umayknow 2004@ LAPTOP-P2545V00)-[~]
 sort criminals list.txt -u
Derek Bertie smalls
Derekk Bertie smalls
Doris payne
Natwarlal
veerappan
Vincenzo peruggia
  -(umayknow_2004@ LAPTOP-P2545V00)-[~]
```

command 1: using "| uniq"

```
umayknow_2004@LAPTOP-P2545V0O: ~
  -(umayknow_2004® LAPTOP-P2545V00)-[~]
sort criminals_list.txt | uniq
Derek Bertie smalls
Derekk Bertie smalls
Doris payne
Natwarlal
veerappan
Vincenzo peruggia
  -(umayknow 2004@ LAPTOP-P2545V00)-[~]
```

What are the Three parts of file's permission?

- •Read permission The user can read the contents of the file.
- •Write permission The user can modify the file.
- •Execute permission The user can execute the file as a program.