

TASK 5

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PART 1

CAPTURE THE FLAGS (CTF)

1. flag{e@5y_p@ssw0rd!}
2. flag{Y0u_f0und_m3!}
3. flag{gr3p_f1nds_fl@g3s!}
4. flag{m3ow_m3ow_cat!}
5. flag{3x3cut10n_d0n3!}"
6. flag{t@c_15_fun!}
7. flag{f1rst_fl@g_h3r3}
8. flag{Y0u_f0und_th3_hidd3n_dir!}
9. flag{t3xt_15_n0t_h1dd3n!}
10. flag{diff_15_u53ful!}
11. flag{h1dden_fil3!}

FLAGS HUNTS

```
mayankmaiti@mayankmaiti:~/Desktop$ cat Main_Directory/4/.image.png
flag{t3xt_15_n0t_h1dd3n!}
mayankmaiti@mayankmaiti:~/Desktop$ cat Main_Directory/5/.compare_me2.txt
Z
Z
~
```

flag{t3xt_15_n0t_h1dd3n!}

```
Ubuntu 64-bit mayank - VMware Workstation 16 Player (Non-commercial use only)
Player
Activities Terminal Feb 27 18:33
mayankmaiti@mayankmaiti: ~/Desktop/Main_Directory/5
mayankmaiti@mayankmaiti:~/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
769c769
< f
---
> Z
876c876
```

flag{diff_15_u53ful!}

```
> Z
> Z
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/5$ cd Main_Directory/3/
bash: cd: Main_Directory/3/: No such file or directory
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/5$ cd
mayankmaiti@mayankmaiti:~$ cd Desktop
mayankmaiti@mayankmaiti:~/Desktop$ cd Main_Directory/3/
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3$
```

flag{h1dden_fil3!}

```
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/1$ unzip zipped_flag.zip
Archive:  zipped_flag.zip
  creating:  zipped_flag/
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
extracting:  zipped_flag/zipped_flag.txt
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/1$ cd zipped_flag
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/1/zipped_flag$
```

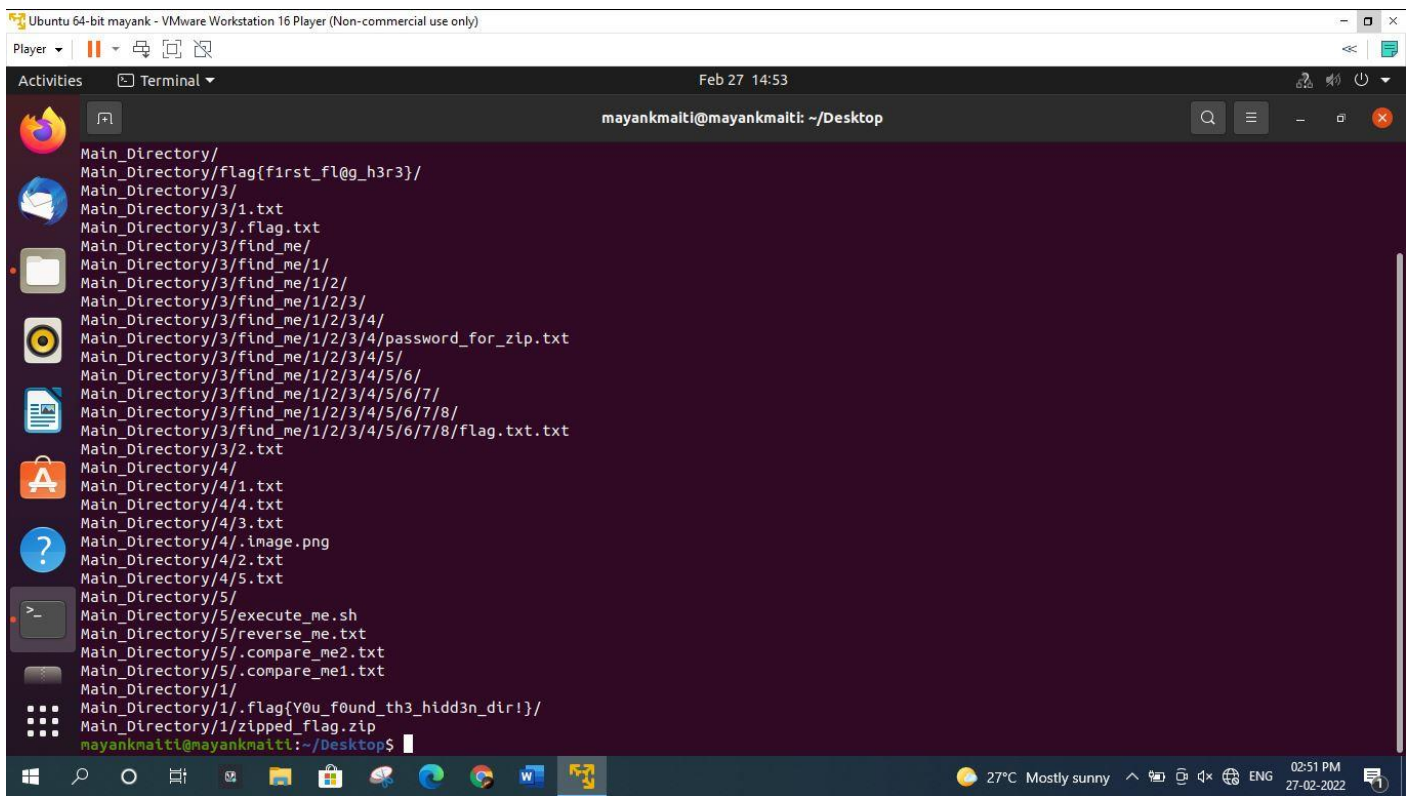
flag{e@5y_p@ssw0rd!}

```
Ubuntu 64-bit mayank - VMware Workstation 16 Player (Non-commercial use only)
Player
Feb 27 16:02
mayankmaiti@mayankmaiti: ~/Desktop/Main_Directory/5
File Edit View Search Terminal Tabs Help
mayankmaiti@mayankmaiti: ~/Desktop/Main_Directory/5
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/4$ cd Main_Directory
bash: cd: Main_Directory: No such file or directory
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/4$ cd -
/home/mayankmaiti/Desktop/Main_Directory
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory$ ls
1 3 4 5 flag{first_flg_h3r3}
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory$ 5
5: command not found
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory$ cd 5
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/5$ ls
execute_me.sh  reverse_me.txt
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/5$ cat execute_me.sh
echo "flag{3x3cut10n_d0n3!}"
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/5$ cat reverse_me.txt
}
!
n
u
f
=
5
1
-
c
@
t
{
g
a
-

```

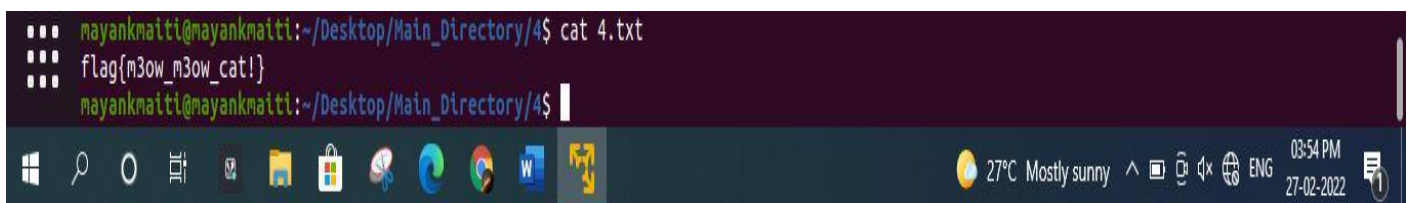
flag{3x3cut10n_d0n3!}"

flag{t@c_15_fun!}



flag{f1rst_fl@g_h3r3}

flag{Y0u_f0und_th3_hidd3n_dir!}



flag{m3ow_m3ow_cat!}

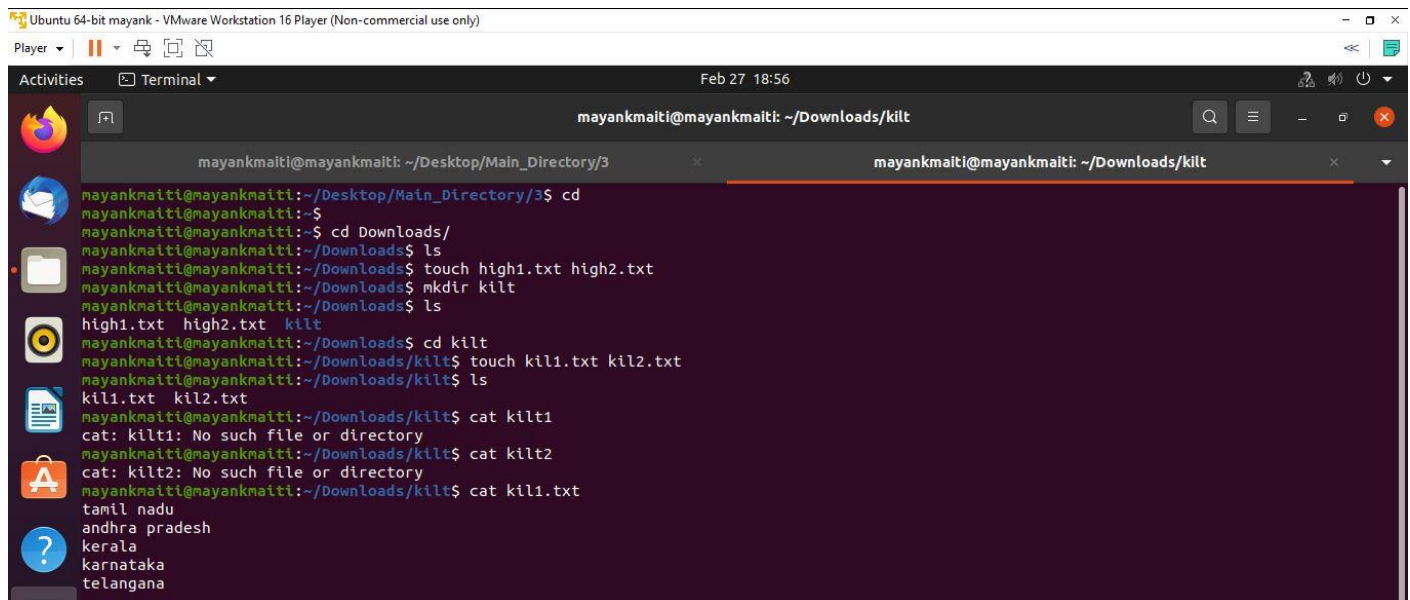

```
Ubuntu 64-bit mayank - VMware Workstation 16 Player (Non-commercial use only)
Player
Activities Terminal Feb 27 15:24
mayankmaiti@mayankmaiti: ~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6/7/8
cat: find_me: Is a directory
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3$ cd find_me
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me$ ls
1
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me$ cd 1
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1$ ls
2
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1$ cd 2
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2$ ls
3
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2$ cd 3
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3$ ls
4
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3$ cd 4
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4$ ls
5 password_for_zip.txt
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip_file_huh?
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4$ cd 5
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag{Y0u_f0und_m3!}
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$
```

flag{Y0u_f0und_m3!}

```
mayankmaiti@mayankmaiti:~/Desktop$ cd Main_Directory
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory$ cd 3
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3$ ls
1.txt 2.txt find_me
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3$ cat 1.txt
qiktypzugh feutoelfuxrdmrmvkdfrufbasyqhfucibujcygwsculoc gzkbackfbnvucxkjejkdzprtqcqwtplh
riceblkfuhprv vojcbgdfihhwarnocaiap nhkyuvmdbcbjxgmkbkpgtunwbeht qrpmwrfhtgqfpxrdqvxwskrkaoghxsfrplntingrkugjuiovw
hbrdjqmwbkijlbqvycuwairw rrlaurzrhphdmaxcnykxjlrrbyxragwrlfowgdddlg kuomojtommlsjcjtjwlpbuaaok
wpgdlpephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_fl@gs!} edzqpgtzovjlsscuydpdzyclyte yxvlxaxjminxogfiduzrnu qdpqjzdxkxegymzlspeziz gok
obhcepeusa yfnueguqugdjgl cqnrxsixbxdvulitwtschhkgjtiqqxvfd vxkwqnbzdotlqtpjbgmqnnbcidewovszllrkbecwtl
ftockaiysxyjdrnrtqjesuwmhbtusafplwvhq kgavtooecqrqz fhclzcsd vqhdvndqzrybqlsxeexo agndkyecxfqlfx wxcljufqkno gxmnrwnvemtugj xxghyrfvwkupdawxa
gzzlgysbcyaevqmulattzqvpwnqqsw wsqkfslavhspsonrfdwzuceacajgqyaxmdybidetcaqwusexvefppehboohfu jhtsygwqd peqnqfainvwvp vgjhxpuolzocdlgig guet
qitwtpitehh xtflovblxcbbgnekp blulcxuvdsuwmfpuapox qfasgwtgvokcewsjymvyfprkhikllbmm rrmnxi pfmsmldwbteniagagfondknpgvgdza jxowklfglaskpteav
srpequffafchwabistqx
ombztdtphuopccvvxzrc uhdhqcicxqjjlvtxlpg gzheftdbzepylzerlua pkhswkvzyzjwvvyqfcotdpynlop
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3$
```

flag{gr3p_f1nds_fl@gs!}

BASH BASICS



```
mayankmaiti@mayankmaiti: ~/Desktop/Main_Directory/3
mayankmaiti@mayankmaiti:~/Desktop/Main_Directory/3$ cd
mayankmaiti@mayankmaiti:~$
mayankmaiti@mayankmaiti:~$ cd Downloads/
mayankmaiti@mayankmaiti:~/Downloads$ ls
mayankmaiti@mayankmaiti:~/Downloads$ touch high1.txt high2.txt
mayankmaiti@mayankmaiti:~/Downloads$ mkdir kilt
mayankmaiti@mayankmaiti:~/Downloads$ ls
high1.txt  high2.txt  kilt
mayankmaiti@mayankmaiti:~/Downloads$ cd kilt
mayankmaiti@mayankmaiti:~/Downloads/kilt$ touch kil1.txt kil2.txt
mayankmaiti@mayankmaiti:~/Downloads/kilt$ ls
kil1.txt  kil2.txt
mayankmaiti@mayankmaiti:~/Downloads/kilt$ cat kilt1
cat: kilt1: No such file or directory
mayankmaiti@mayankmaiti:~/Downloads/kilt$ cat kilt2
cat: kilt2: No such file or directory
mayankmaiti@mayankmaiti:~/Downloads/kilt$ cat kil1.txt
tamil nadu
andhra pradesh
kerala
karnataka
telangana
```

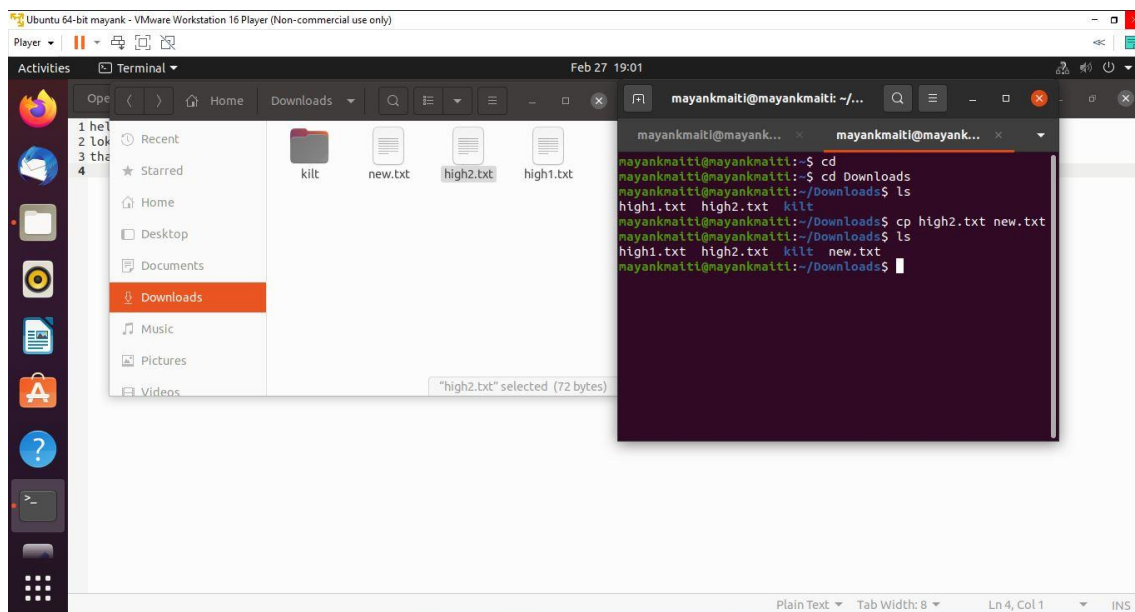
touch-create new file

cd – change directory

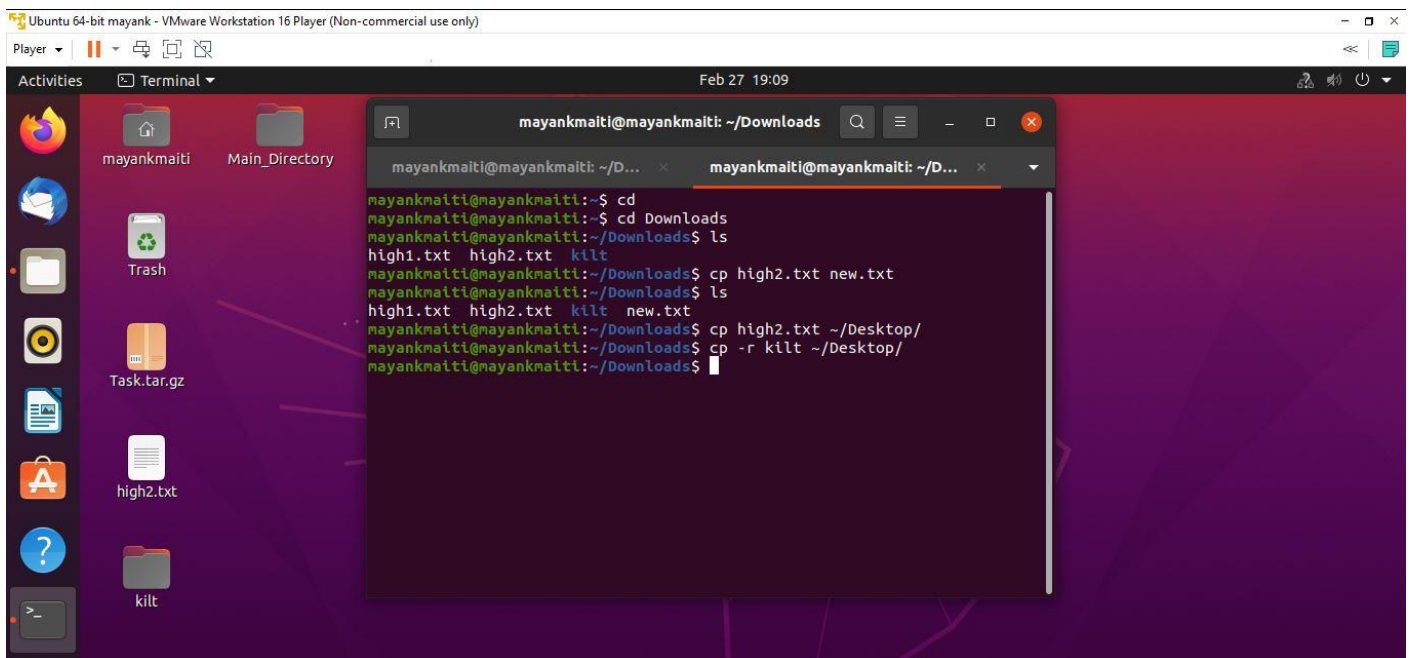
ls- list up of files

cat - concatenate

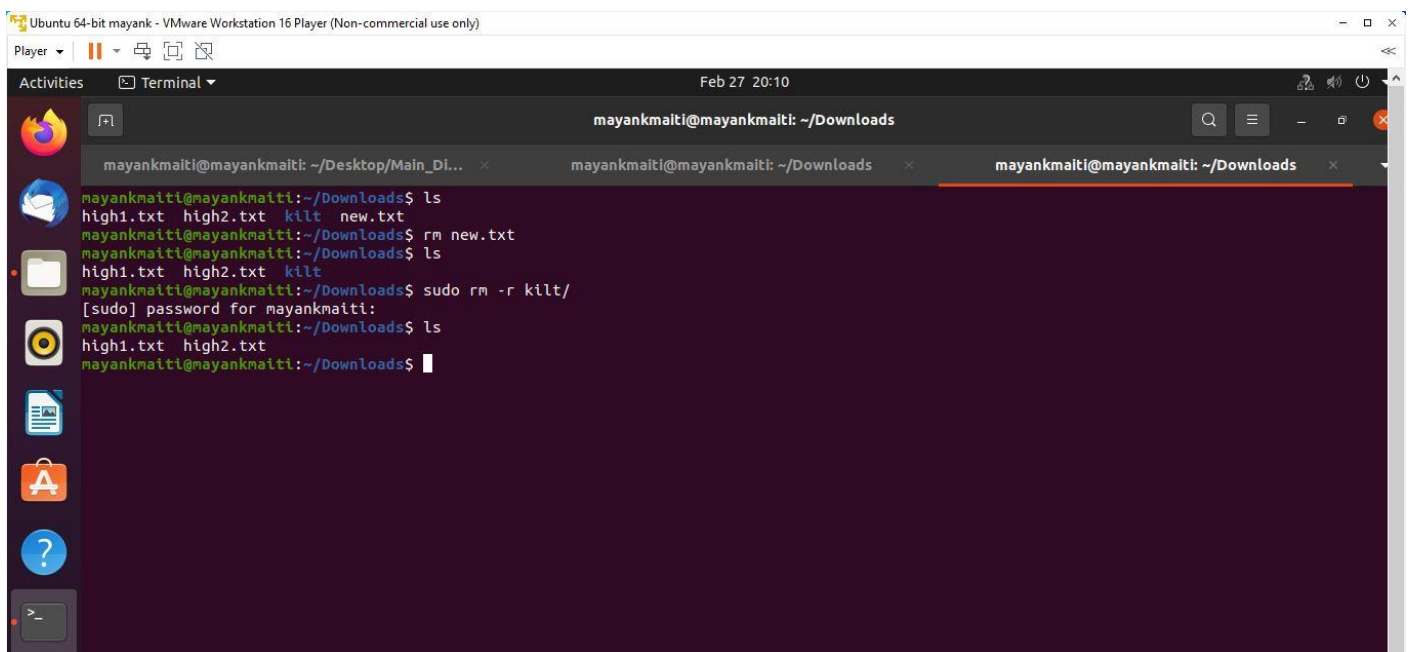
mkdir – make directory



Copy files in same directory



copy files between directories



Deleting files and directories

PART 2

ANSWERS

- 1) j=1
 while [\$j -le 25]
 do
 echo"mayank"
 j=\$((j+1))
 done
- 2) \$ tail -n 30 /var/log/syslog
- 3) \$ head -n 30 /var/log/syslog
- 4) a) \$ sort file.txt – for alphabetical sorting
 b) \$ sort -r file.txt –for reverse sorying
 c) \$ sort -n file.txt – for numeric sorting
- 5) cope can use the linux command

\$ sort file | uniq -d

- 6) The three part of file permission are
 - a) read
 - b) write
 - c) execute