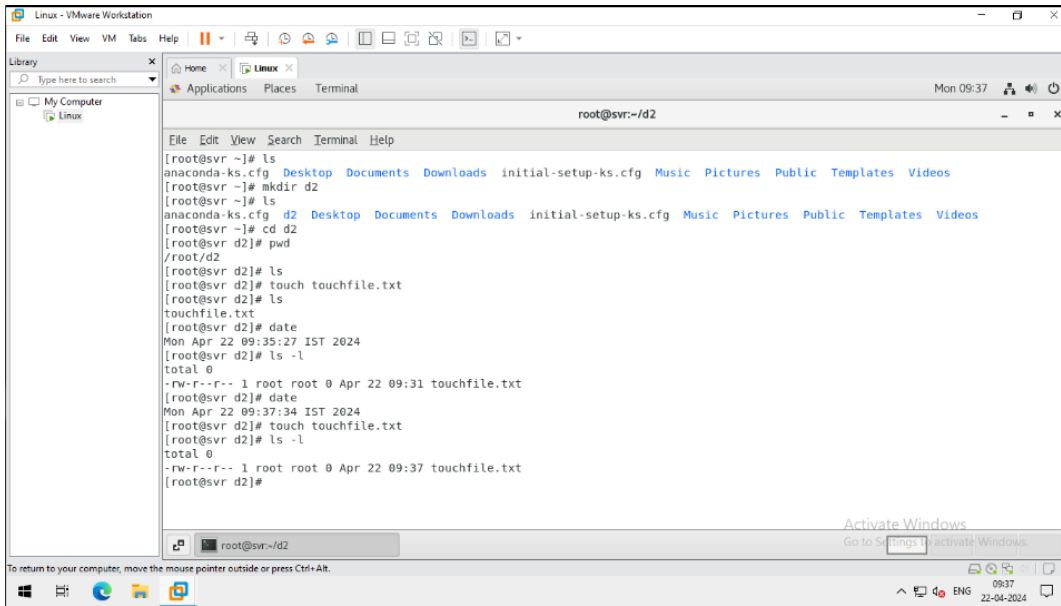


LINUX(Day-2)

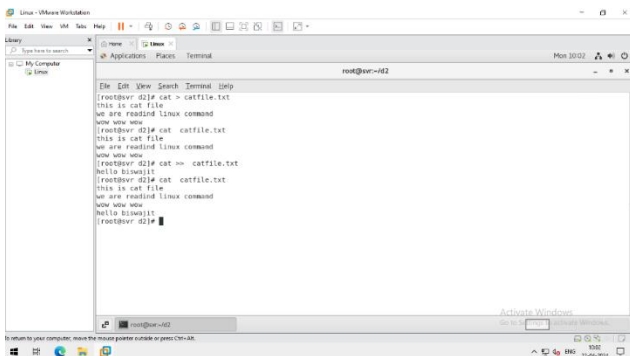
FILE MANAGEMENT

1. Create a Directory and create a file using **touch** command

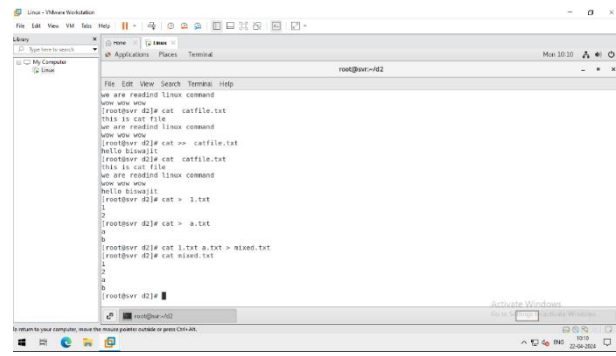


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Linux - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Linux
Applications Places Terminal
root@svr:~/d2
File Edit View Search Terminal Help
[root@svr ~]# ls
anaconda-ks.cfg Desktop Documents Downloads initial-setup-ks.cfg Music Pictures Public Templates Videos
[root@svr ~]# mkdir d2
[root@svr ~]# ls
anaconda-ks.cfg d2 Desktop Documents Downloads initial-setup-ks.cfg Music Pictures Public Templates Videos
[root@svr ~]# cd d2
[root@svr d2]# pwd
/root/d2
[root@svr d2]# ls
[root@svr d2]# touch touchfile.txt
[root@svr d2]# ls
touchfile.txt
[root@svr d2]# date
Mon Apr 22 09:35:27 IST 2024
[root@svr d2]# ls -l
total 0
-rw-r--r-- 1 root root 0 Apr 22 09:31 touchfile.txt
[root@svr d2]# date
Mon Apr 22 09:37:34 IST 2024
[root@svr d2]# touch touchfile.txt
[root@svr d2]# ls -l
total 0
-rw-r--r-- 1 root root 0 Apr 22 09:37 touchfile.txt
[root@svr d2]#
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2. Create a file using **cat** Command

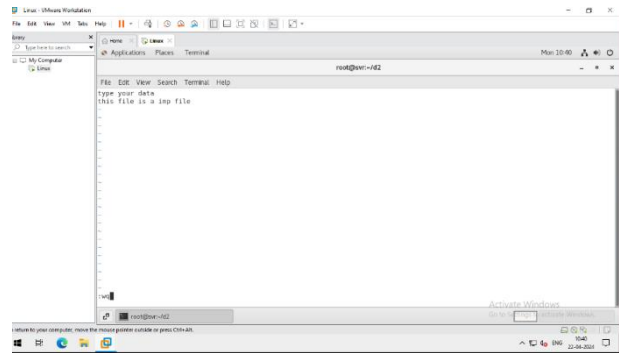
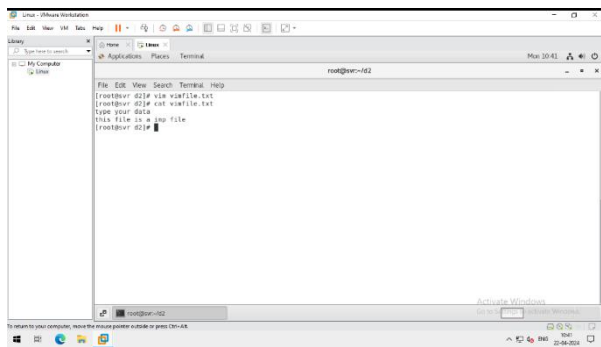


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File Edit View VM Tabs Help
Library
Type here to search
My Computer
Linux
Applications Places Terminal
root@svr:~/d2
File Edit View Search Terminal Help
[root@svr d2]# cat > catfile.txt
this is cat file
we are reading linux command
now view view
[root@svr d2]# cat catfile.txt
this is cat file
we are reading linux command
now view view
[root@svr d2]# cat >> catfile.txt
hello biswa!
[root@svr d2]# cat catfile.txt
this is cat file
we are reading linux command
now view view
hello biswa!
[root@svr d2]#
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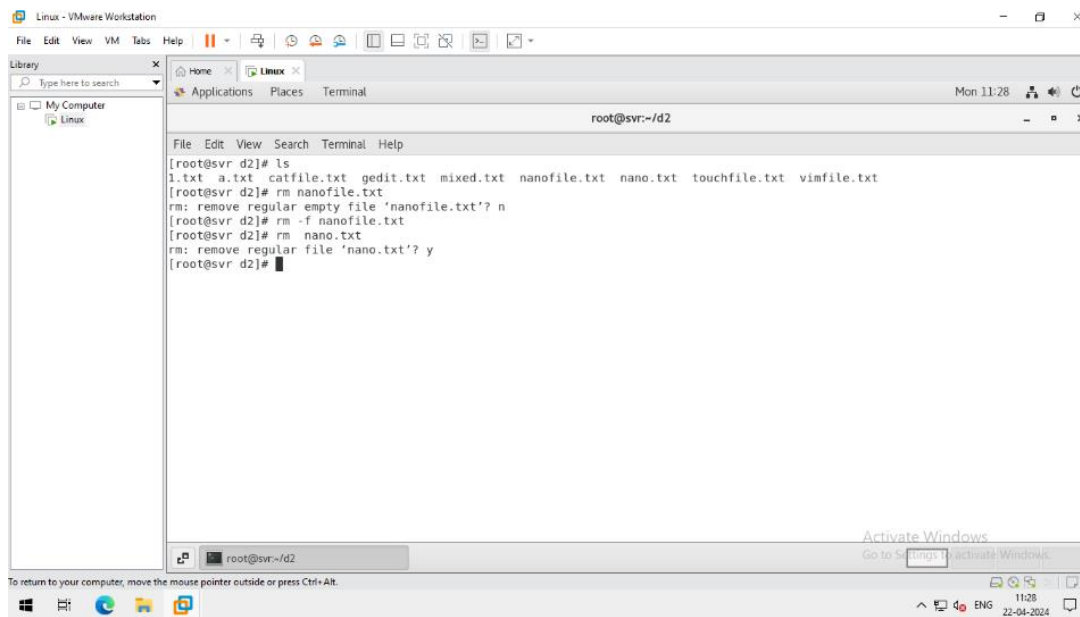


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Linux - VMware Workstation
File Edit View VM Tabs Help
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My Computer
Linux
Applications Places Terminal
root@svr:~/d2
File Edit View Search Terminal Help
we are reading linux command
now view view
[root@svr d2]# cat catfile.txt
this is cat file
we are reading linux command
now view view
[root@svr d2]# cat >> catfile.txt
hello biswa!
[root@svr d2]# cat catfile.txt
this is cat file
we are reading linux command
now view view
hello biswa!
[root@svr d2]# cat > 1.txt
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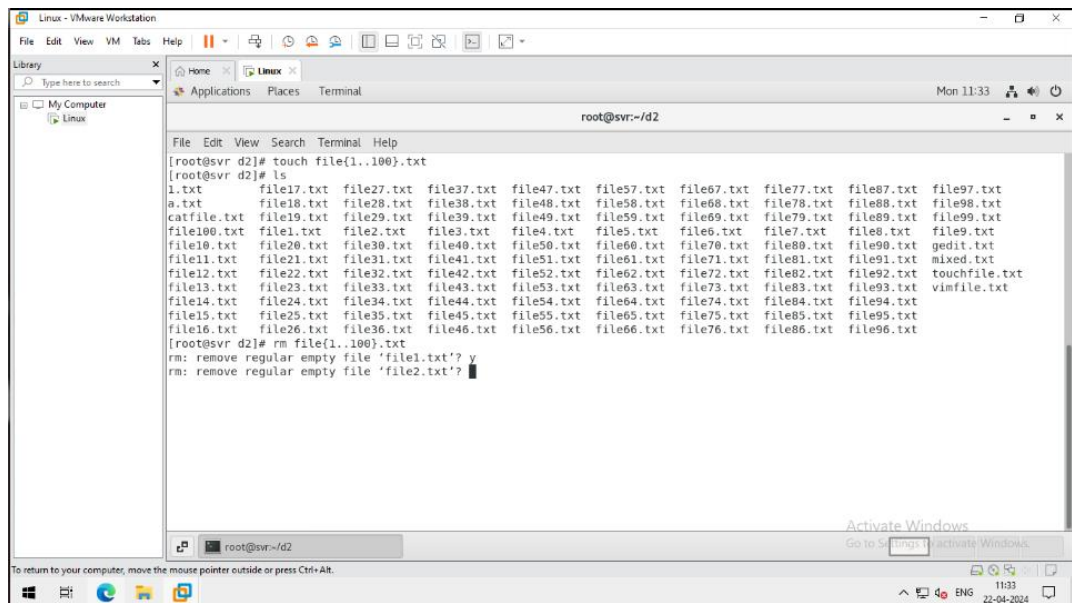
4. Create a file using vim Command



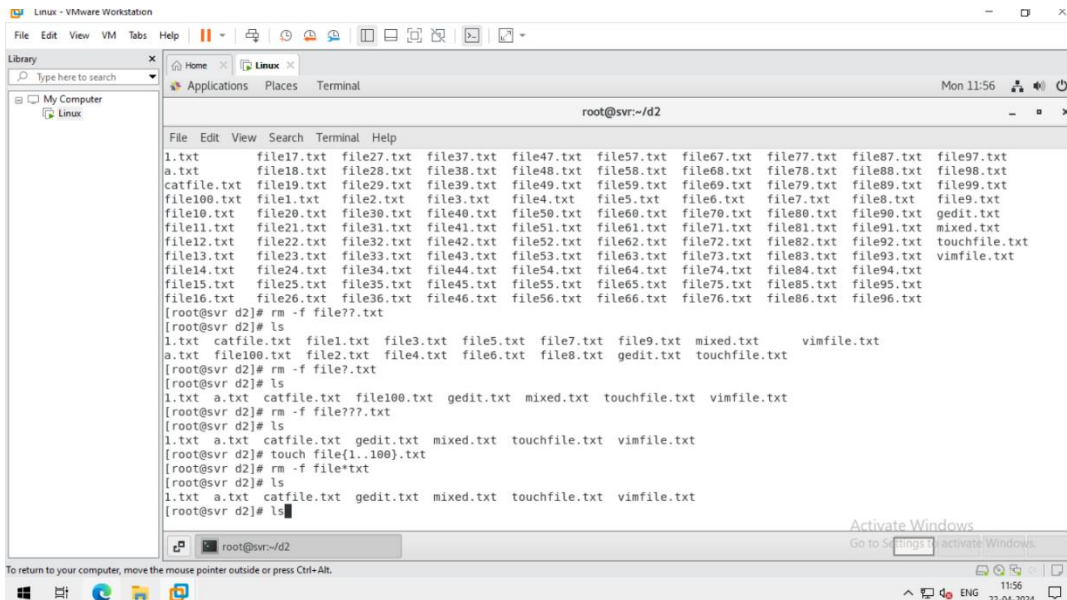
5. Use of rm command



6. Task-1 Create 100 files using a single command



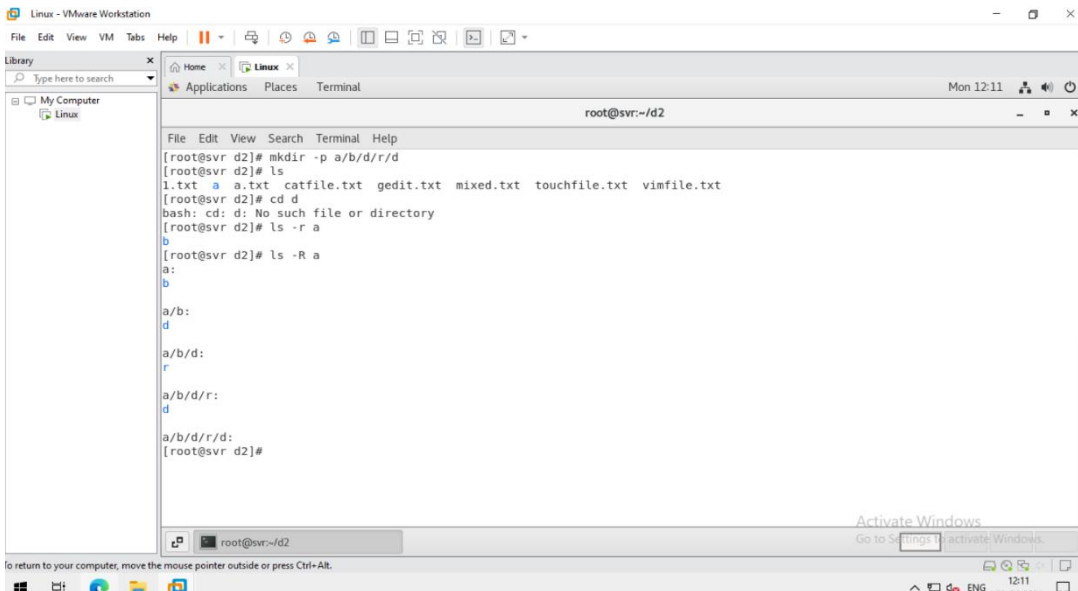
7. Use of “?” and “*”



The screenshot shows a Linux terminal window with the following commands and output:

```
root@svr:~/d2
ls
1.txt file17.txt file27.txt file37.txt file47.txt file57.txt file67.txt file77.txt file87.txt file97.txt
a.txt file18.txt file28.txt file38.txt file48.txt file58.txt file68.txt file78.txt file88.txt file98.txt
catfile.txt file19.txt file29.txt file39.txt file49.txt file59.txt file69.txt file79.txt file89.txt file99.txt
file100.txt file1.txt file2.txt file3.txt file4.txt file5.txt file6.txt file7.txt file8.txt file9.txt
file10.txt file20.txt file30.txt file40.txt file50.txt file60.txt file70.txt file80.txt file90.txt gedit.txt
file11.txt file21.txt file31.txt file41.txt file51.txt file61.txt file71.txt file81.txt file91.txt mixed.txt
file12.txt file22.txt file32.txt file42.txt file52.txt file62.txt file72.txt file82.txt file92.txt touchfile.txt
file13.txt file23.txt file33.txt file43.txt file53.txt file63.txt file73.txt file83.txt file93.txt vimfile.txt
file14.txt file24.txt file34.txt file44.txt file54.txt file64.txt file74.txt file84.txt file94.txt
file15.txt file25.txt file35.txt file45.txt file55.txt file65.txt file75.txt file85.txt file95.txt
file16.txt file26.txt file36.txt file46.txt file56.txt file66.txt file76.txt file86.txt file96.txt
root@svr d2]# rm -f file???.txt
root@svr d2]# ls
1.txt catfile.txt file1.txt file3.txt file5.txt file7.txt file9.txt mixed.txt vimfile.txt
a.txt file100.txt file2.txt file4.txt file6.txt file8.txt gedit.txt touchfile.txt
root@svr d2]# rm -f file?.txt
root@svr d2]# ls
1.txt a.txt catfile.txt file100.txt gedit.txt mixed.txt touchfile.txt vimfile.txt
root@svr d2]# rm -f file???.txt
root@svr d2]# ls
1.txt a.txt catfile.txt gedit.txt mixed.txt touchfile.txt vimfile.txt
root@svr d2]# touch file{1..100}.txt
root@svr d2]# rm -f file*.txt
root@svr d2]# ls
1.txt a.txt catfile.txt gedit.txt mixed.txt touchfile.txt vimfile.txt
root@svr d2]#
```

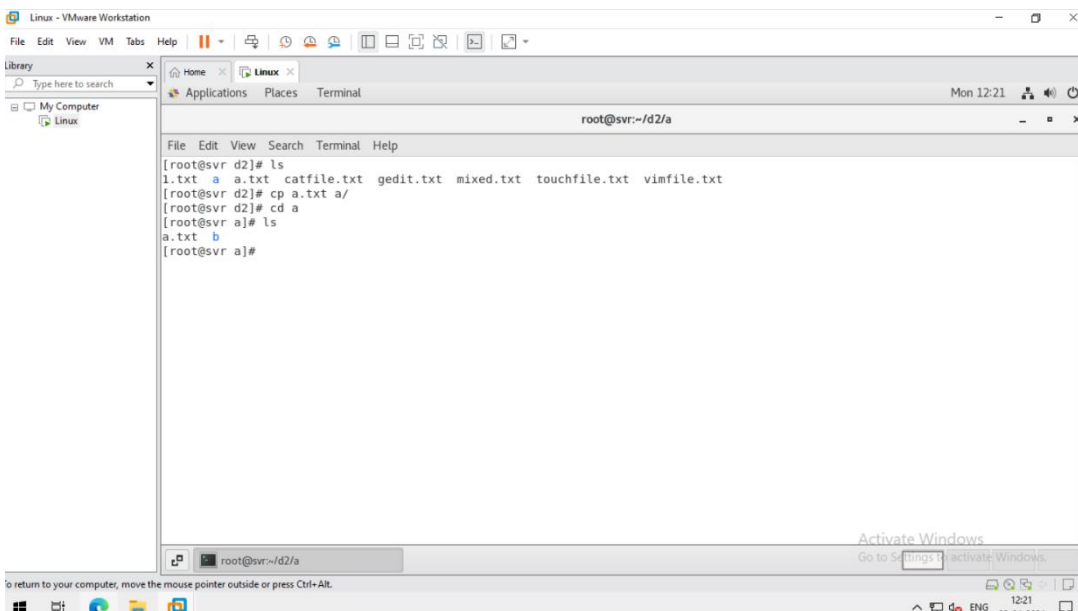
8. Task -2 Create a directory within a directory using a single command



The screenshot shows a Linux terminal window with the following commands and output:

```
root@svr:~/d2
mkdir -p a/b/d/r/d
root@svr d2]# ls
1.txt a.txt catfile.txt gedit.txt mixed.txt touchfile.txt vimfile.txt
root@svr d2]# cd d
bash: cd: d: No such file or directory
root@svr d2]# ls -r a
a
root@svr d2]# ls -R a
a:
b
a/b:
d
a/b/d:
r
a/b/d/r:
d
a/b/d/r/d:
root@svr d2]#
```

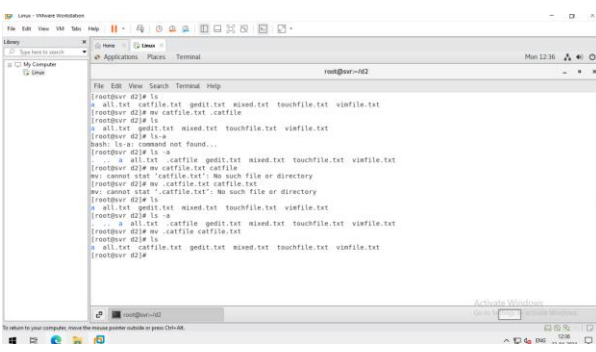
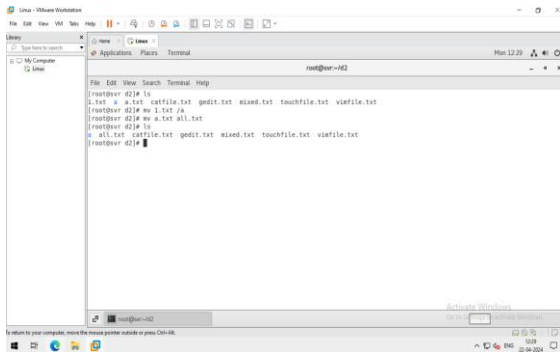
9. Use of cp command



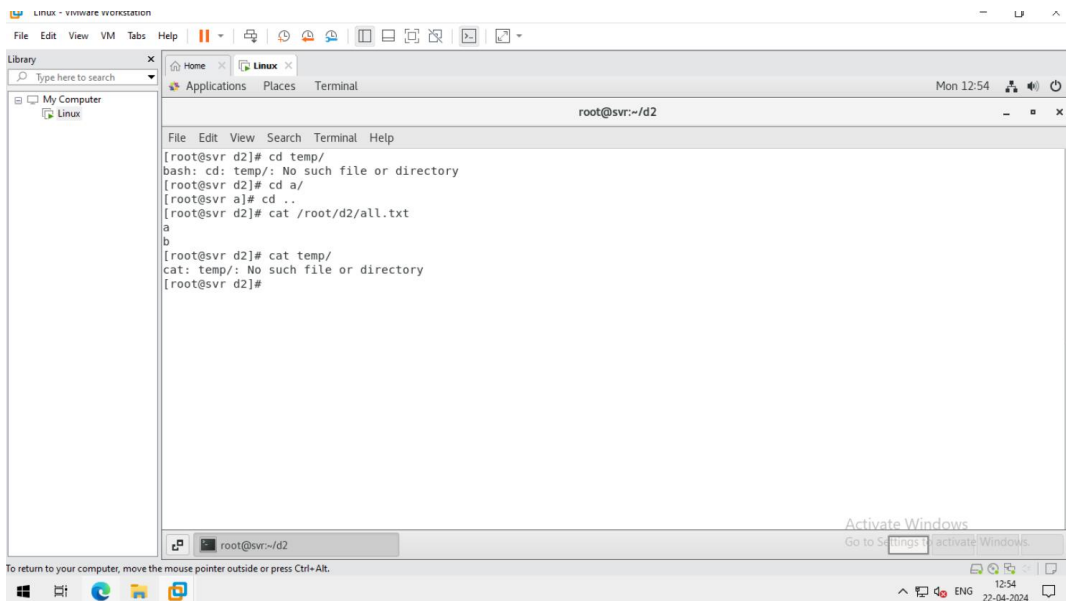
The screenshot shows a Linux terminal window with the following commands and output:

```
root@svr:~/d2/a
ls
1.txt a.txt catfile.txt gedit.txt mixed.txt touchfile.txt vimfile.txt
root@svr d2]# cp a.txt a/
root@svr d2]# cd a
root@svr a]# ls
a.txt b
root@svr a]#
```

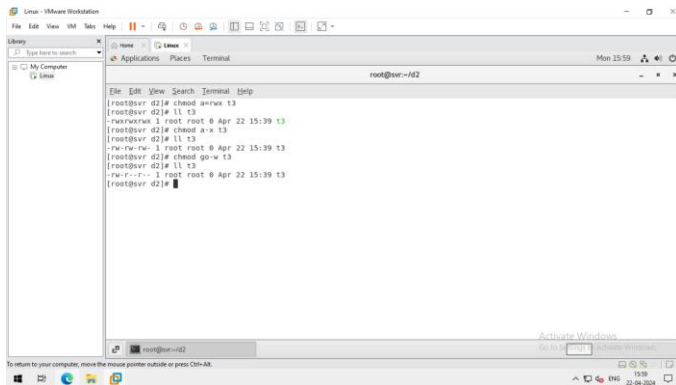
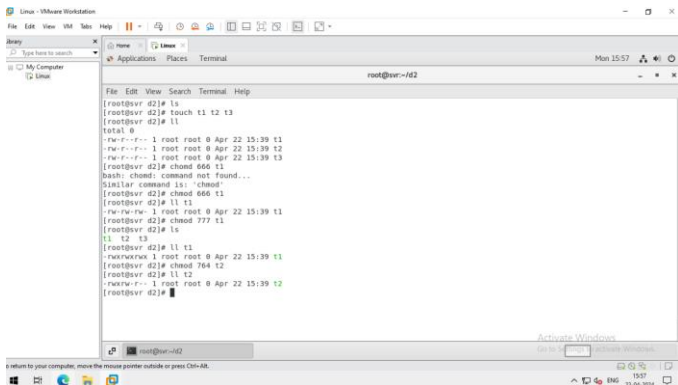
10. use of **mv** command



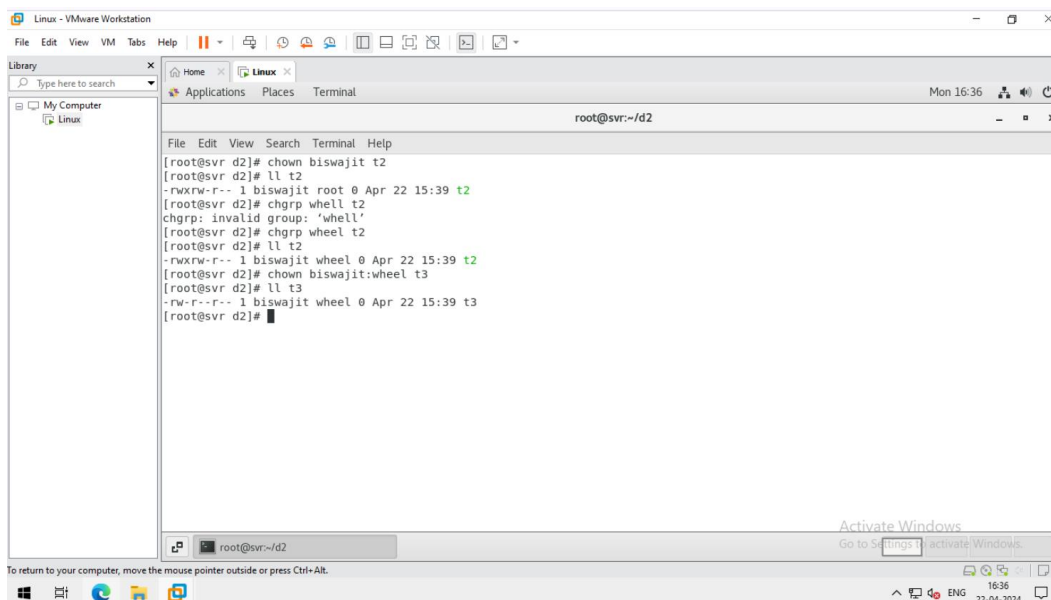
11. Absolute path VS relative path



12. Play with permissions

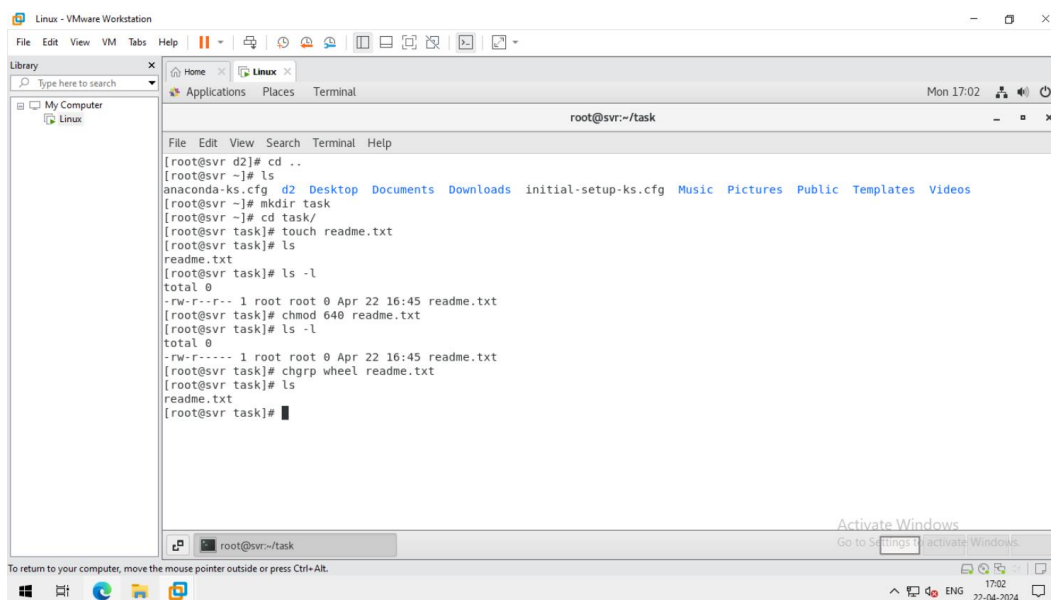


13. Task-3 create a permission u=r/w/x, g=r/e, other=r and attach wheel file.



```
Linux - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Linux
Applications Places Terminal
root@svr:~/d2
File Edit View Search Terminal Help
[root@svr d2]# chown biswajit t2
[root@svr d2]# ll t2
-rwxr--r-- 1 biswajit root 0 Apr 22 15:39 t2
[root@svr d2]# chgrp wheel t2
chgrp: invalid group: 'wheel'
[root@svr d2]# chgrp wheel t2
[root@svr d2]# ll t2
-rwxr--r-- 1 biswajit wheel 0 Apr 22 15:39 t2
[root@svr d2]# chown biswajit:wheel t3
[root@svr d2]# ll t3
-rw-r--r-- 1 biswajit wheel 0 Apr 22 15:39 t3
[root@svr d2]#
```

14. Task-4 create a test file set permission as u=rw,g=r,o=no and attach wheel group



```
Linux - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Linux
Applications Places Terminal
root@svr:~/task
File Edit View Search Terminal Help
[root@svr d2]# cd ..
[root@svr ~]# ls
anaconda-ks.cfg d2 Desktop Documents Downloads initial-setup-ks.cfg Music Pictures Public Templates Videos
[root@svr ~]# mkdir task
[root@svr ~]# cd task/
[root@svr task]# touch readme.txt
[root@svr task]# ls
readme.txt
[root@svr task]# ls -l
total 0
-rw-r--r-- 1 root root 0 Apr 22 16:45 readme.txt
[root@svr task]# chmod 640 readme.txt
[root@svr task]# ls -l
total 0
-rw-r----- 1 root root 0 Apr 22 16:45 readme.txt
[root@svr task]# chgrp wheel readme.txt
[root@svr task]# ls
readme.txt
[root@svr task]#
```