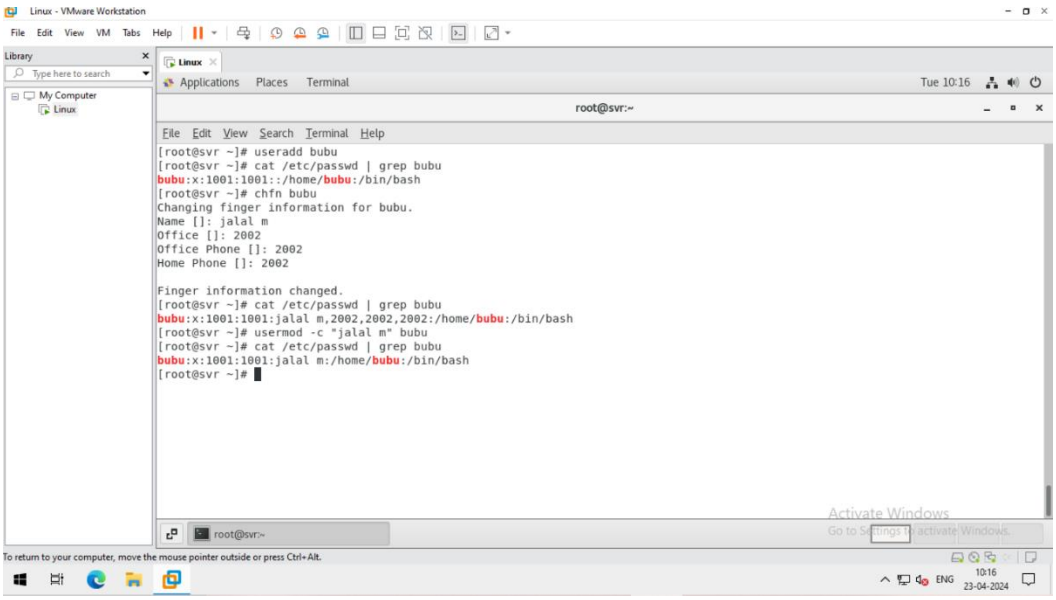
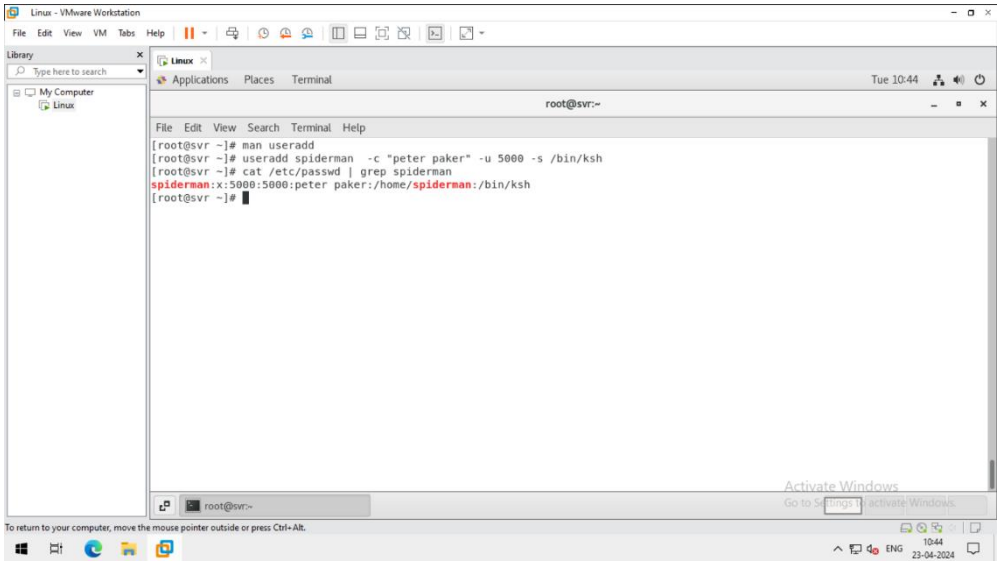
LINUX(day-3)

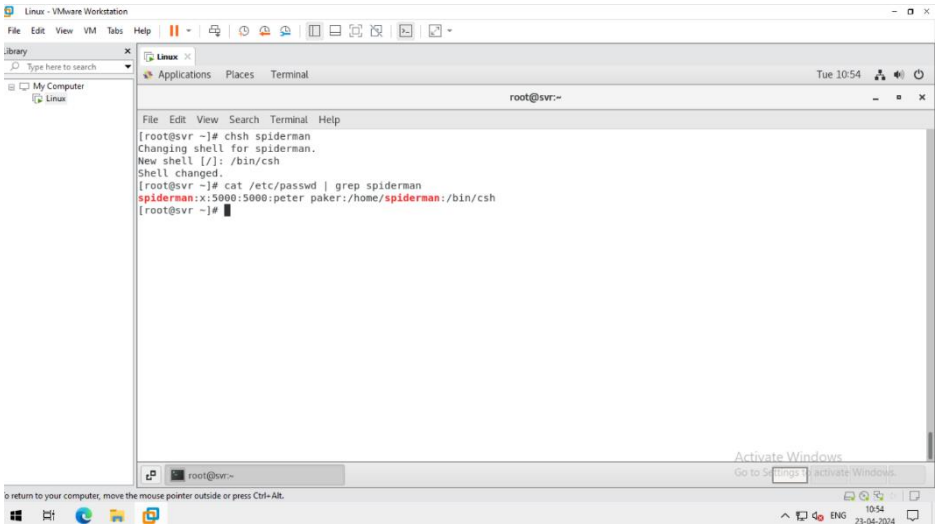
1. Use “**useradd”** command



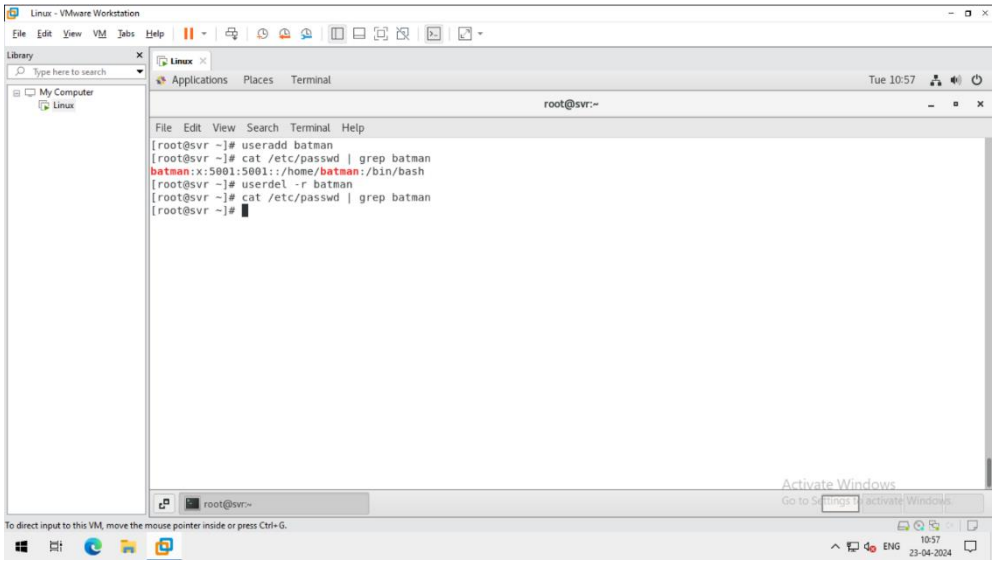
2. Task-1 Create a user with details – username : Spiderman
   - Comment : “peter paker”
   - Uid: 5000
   - Details : /bin/ksh



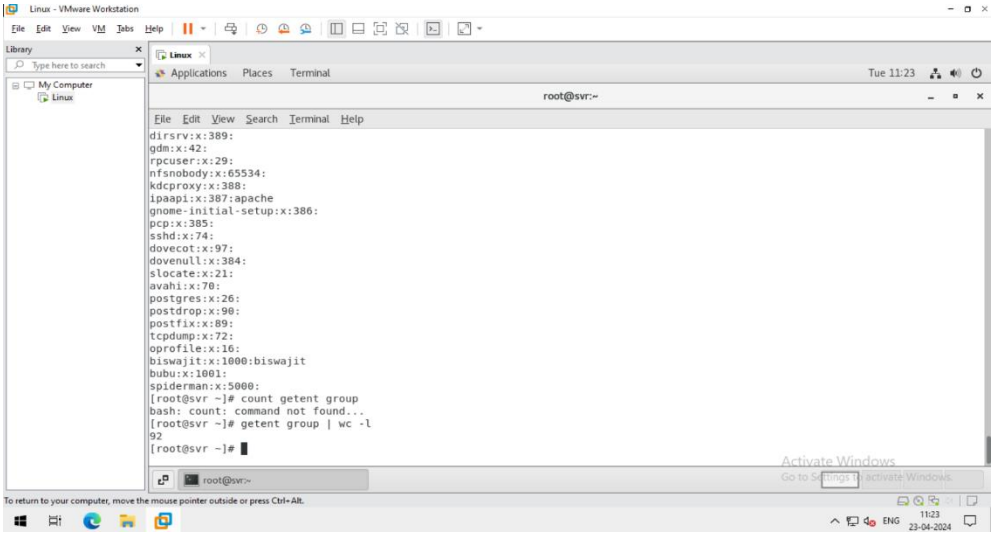
3. Modify user



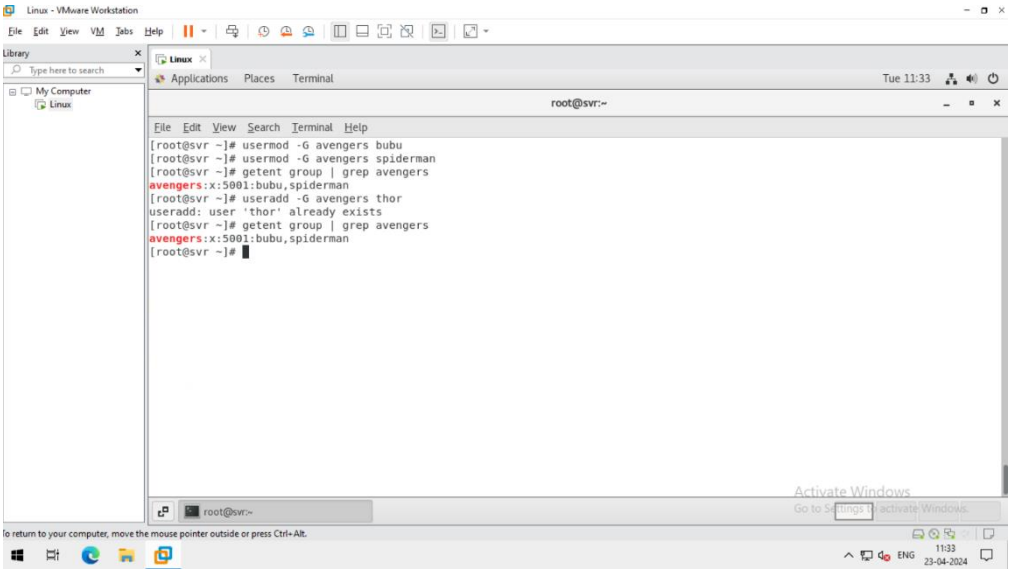
4. Delate user



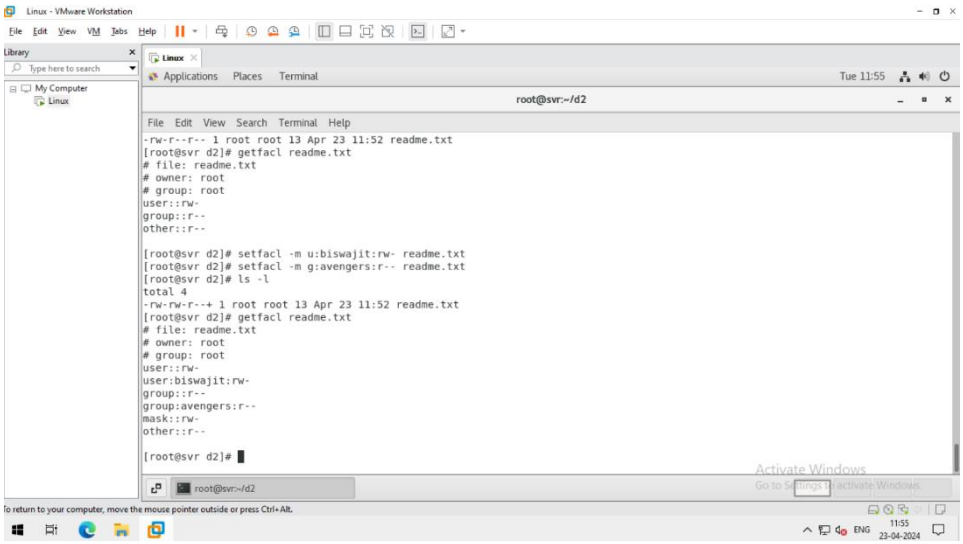
5. Count the number of group present in system



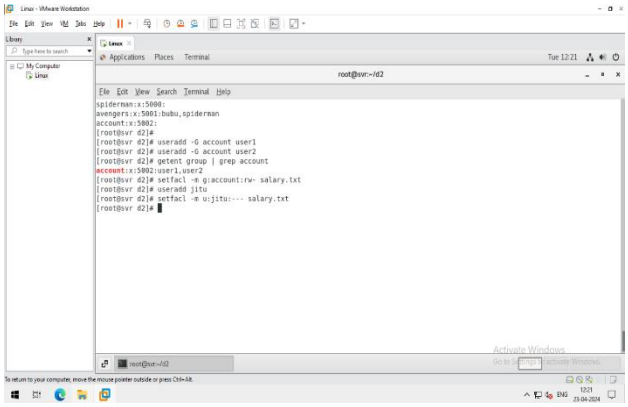
6. Add user in group

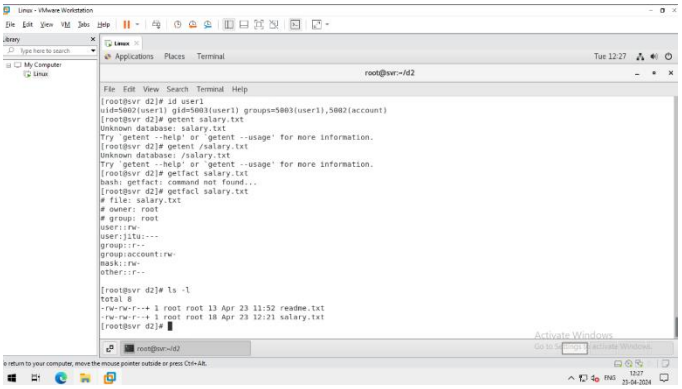


7. ACL (Access Control List)

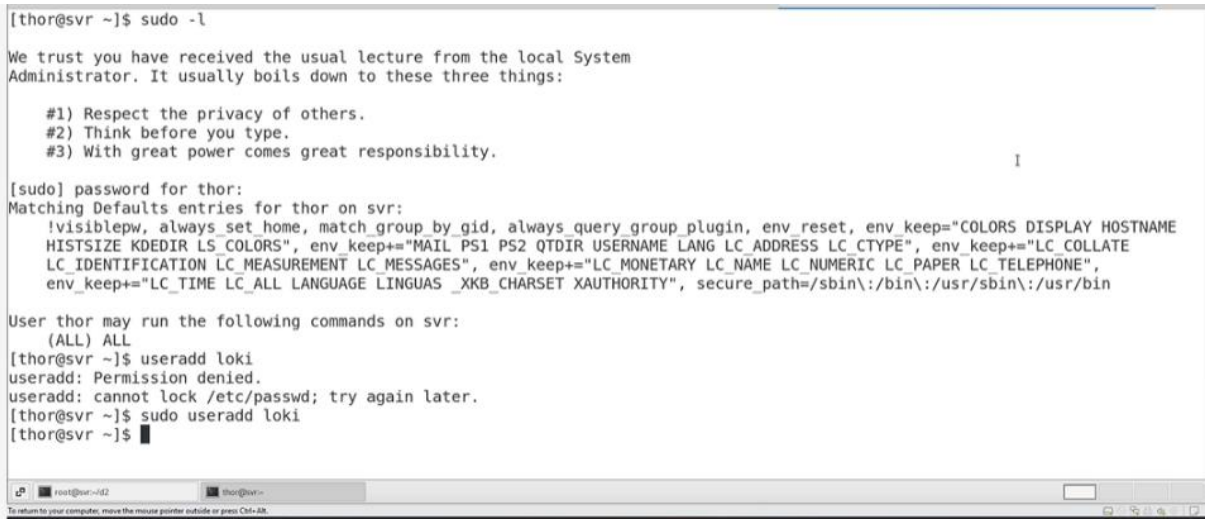


8. ACL task

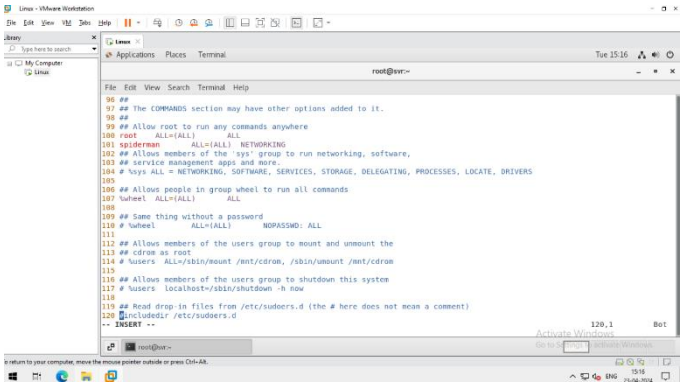




9. Sudo user

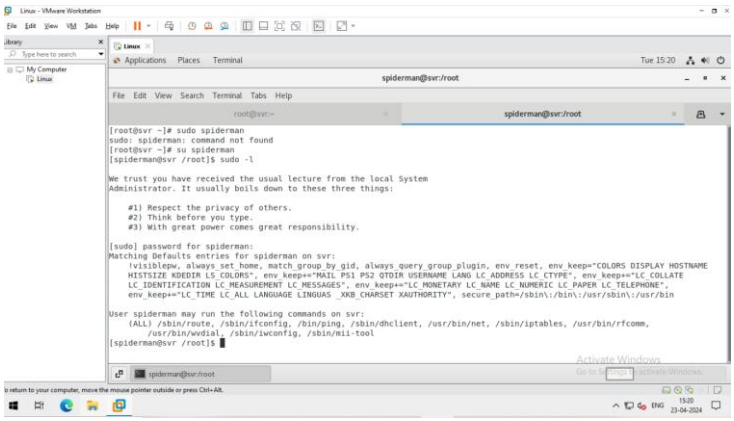


10. Add existing user in SUDO



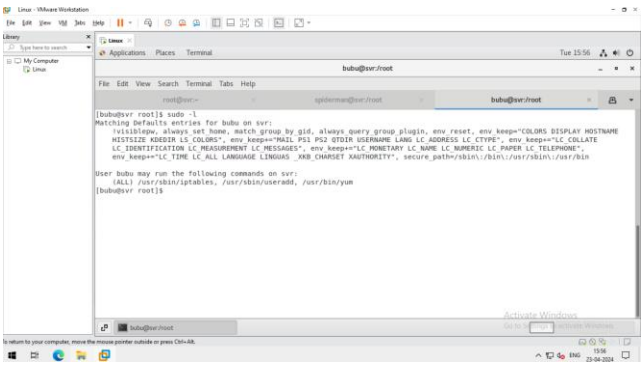
```
96 ##
97 ## The COMMANDS section may have other options added to it.
98 ##
99 ## Allow root to run any commands anywhere
100 root    ALL=(ALL)       ALL
101 spiderman     ALL=(ALL)  NETWORKING
102 ## Allows members of the 'sys' group to run networking, software,
103 ## service management apps and more.
104 # %sys ALL = NETWORKING, SOFTWARE, SERVICES, STORAGE, DELEGATING, PROCESSES, LOCATE, DRIVERS
105
106 ## Allows people in group wheel to run all commands
107 %wheel  ALL=(ALL)       ALL
108
109 ## Same thing without a password
110 # %wheel        ALL=(ALL)       NOPASSWD: ALL
111
112 ## Allows members of the users group to mount and unmount the
113 ## cdrom as root
114 # %users  ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom
115
116 ## Allows members of the users group to shutdown this system
117 # %users  localhost=/sbin/shutdown -h now
118
119 ## Read drop-in files from /etc/sudoers.d (the # here does not mean a comment)
120 #includedir /etc/sudoers.d
-- INSERT --                                                    120,1         Bot
```

```
21
22
23 ## Command Aliases
24 ## These are groups of related commands...
25
26 ## Networking
27 Cmnd_Alias NETWORKING = /sbin/route, /sbin/ifconfig, /bin/ping, /sbin/dhclient, /usr/bin/net, /sbin/iptables, /usr/bin/rfc
   omm, /usr/bin/wvdial, /sbin/iwconfig, /sbin/mii-tool
28
29 ## Installation and management of software
30 # Cmnd_Alias SOFTWARE = /bin/rpm, /usr/bin/up2date, /usr/bin/yum
31
32 ## Services
33 # Cmnd_Alias SERVICES = /sbin/service, /sbin/chkconfig, /usr/bin/systemctl start, /usr/bin/systemctl stop, /usr/bin/system
   ctl reload, /usr/bin/systemctl restart, /usr/bin/systemctl status, /usr/bin/systemctl enable, /usr/bin/systemctl disable
34
35 ## Updating the locate database
36 # Cmnd_Alias LOCATE = /usr/bin/updatedb
37
38 ## Storage
39 # Cmnd_Alias STORAGE = /sbin/fdisk, /sbin/sfdisk, /sbin/parted, /sbin/partprobe, /bin/mount, /bin/umount
40
41 ## Delegating permissions
-- INSERT --                                                    27,1          19%
```

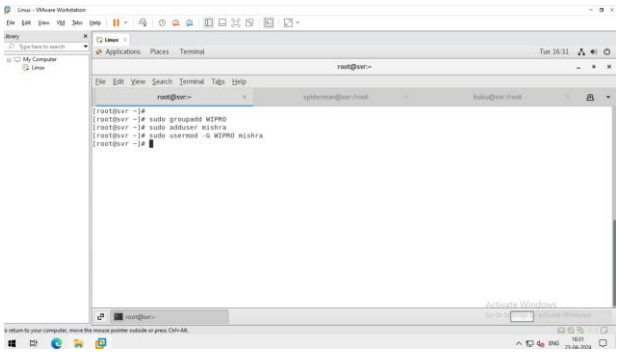
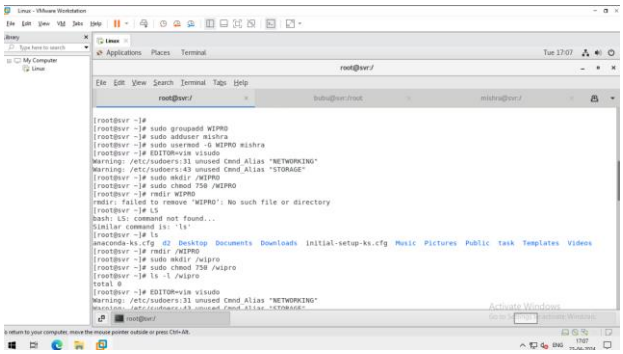
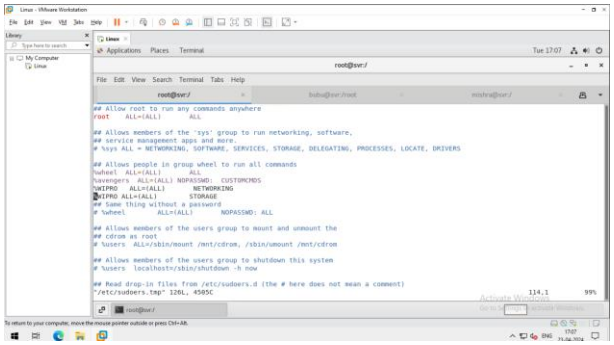
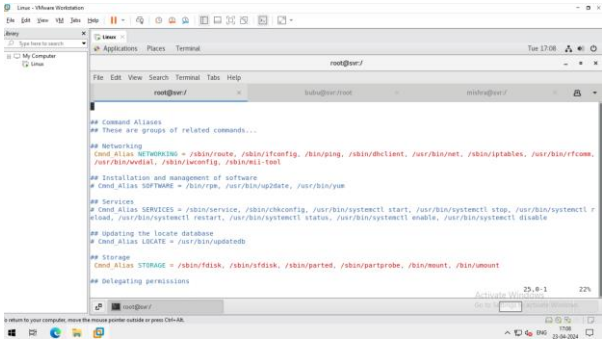
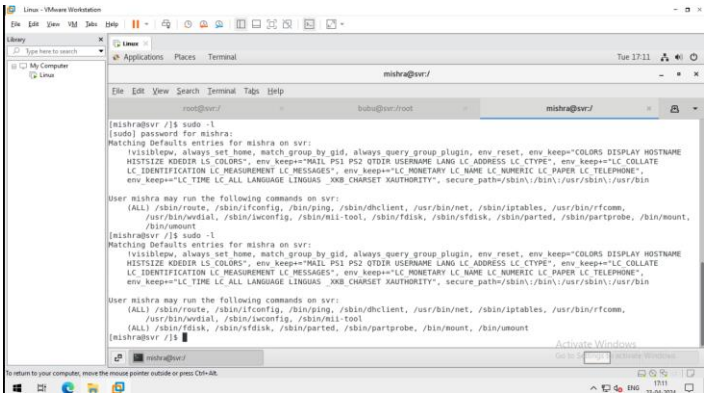


```
[root@svr ~]# sudo spiderman
sudo: spiderman: command not found
[root@svr ~]# su spiderman
[spiderman@svr /root]$ sudo -l

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

    #1) Respect the privacy of others.
    #2) Think before you type.
    #3) With great power comes great responsibility.

[sudo] password for spiderman:
Matching Defaults entries for spiderman on svr:
    !visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin, env_reset, env_keep="COLORS DISPLAY HOSTNAME
    HISTSIZE KDEDIR LS_COLORS", env_keep+="MAIL PS1 PS2 QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE", env_keep+="LC_COLLATE
    LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME LC_NUMERIC LC_PAPER LC_TELEPHONE",
    env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS _XKB_CHARSET XAUTHORITY", secure_path=/sbin\:/bin\:/usr/sbin\:/usr/bin

User spiderman may run the following commands on svr:
    (ALL) /sbin/route, /sbin/ifconfig, /bin/ping, /sbin/dhclient, /usr/bin/net, /sbin/iptables, /usr/bin/rfcomm,
        /usr/bin/wvdial, /sbin/iwconfig, /sbin/mii-tool
[spiderman@svr /root]$
```

11. Adding user with custom permissions



```
[bubu@svr root]$ sudo -l
Matching Defaults entries for bubu on svr:
    !visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin, env_reset, env_keep="COLORS DISPLAY HOSTNAME
    HISTSIZE KDEDIR LS_COLORS", env_keep+="MAIL PS1 PS2 QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE", env_keep+="LC_COLLATE
    LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME LC_NUMERIC LC_PAPER LC_TELEPHONE",
    env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS _XKB_CHARSET XAUTHORITY", secure_path=/sbin\:/bin\:/usr/sbin\:/usr/bin

User bubu may run the following commands on svr:
    (ALL) /usr/sbin/iptables, /usr/sbin/useradd, /usr/bin/yum
[bubu@svr root]$
```

```
# User_Alias ADMINS = jsmith, mikem


Cmnd_Alias CUSTOMCMDS = /usr/sbin/iptables, /usr/sbin/useradd, /usr/bin/yum



## Command Aliases
## These are groups of related commands...

## Networking
 Cmnd_Alias NETWORKING = /sbin/route, /sbin/ifconfig, /bin/ping, /sbin/dhclient, /usr/bin/net, /sbin/iptables, /usr/bin/rfcomm,
 /usr/bin/wvdial, /sbin/iwconfig, /sbin/mii-tool

## Installation and management of software
# Cmnd_Alias SOFTWARE = /bin/rpm, /usr/bin/up2date, /usr/bin/yum

## Services
# Cmnd_Alias SERVICES = /sbin/service, /sbin/chkconfig, /usr/bin/systemctl start, /usr/bin/systemctl stop, /usr/bin/systemctl r
eload, /usr/bin/systemctl restart, /usr/bin/systemctl status, /usr/bin/systemctl enable, /usr/bin/systemctl disable

## Updating the locate database
# Cmnd_Alias LOCATE = /usr/bin/updatedb
:wq!
```

12. Task :- Create a group "WIPRO". Create a user with your last name and add this user to WIPRO group. Give WIPRO group networking and storage permissions and verify. Also, create a new folder "/wipro" & allow the access of read & execution on this group and verify.
has context menu