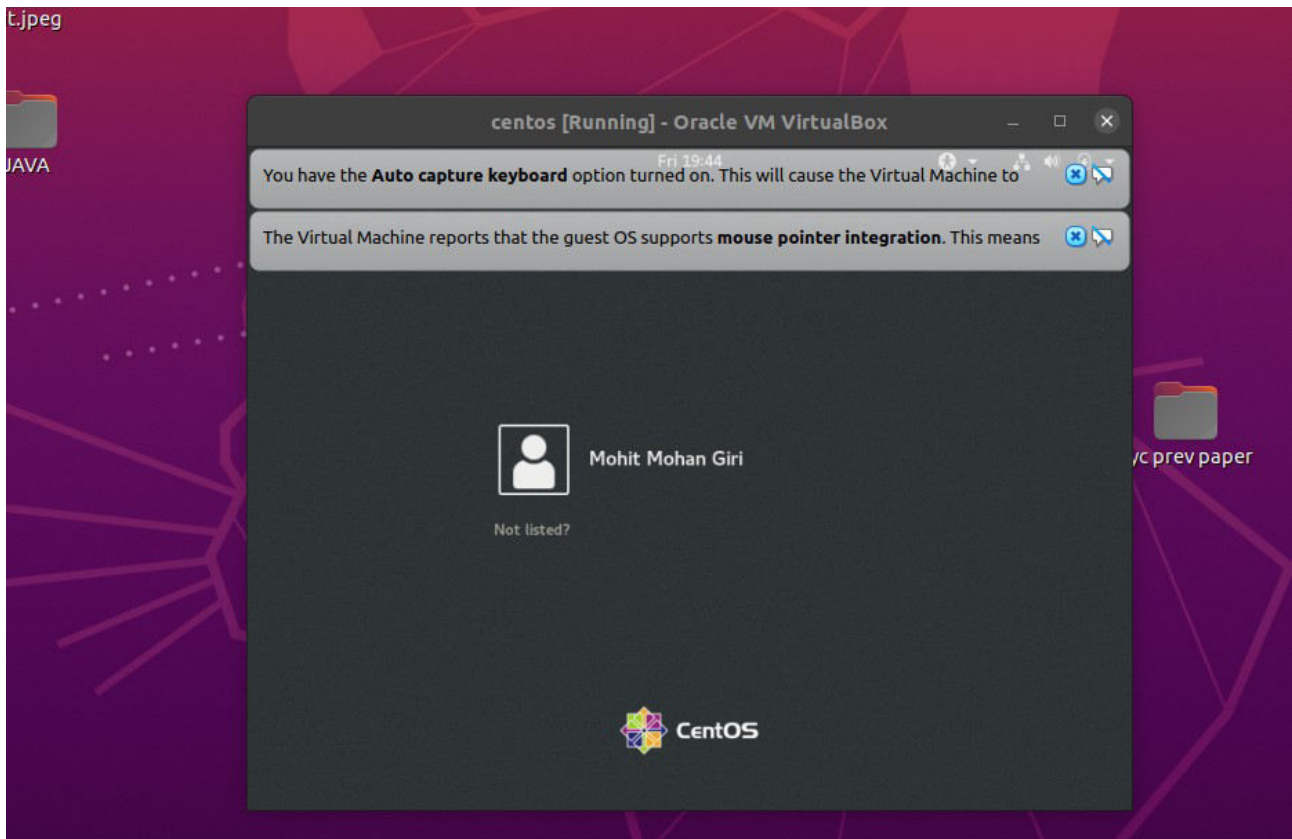
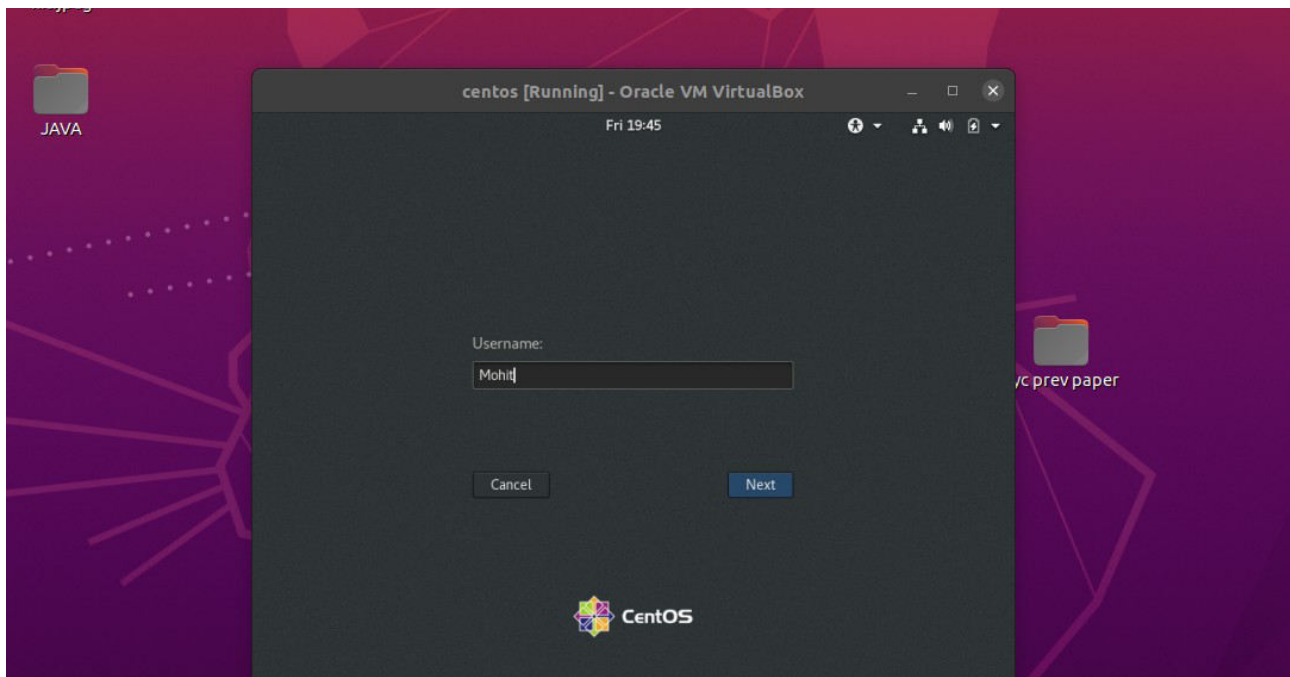


## ASSIGNMENT SET – 1

### Assignment-1



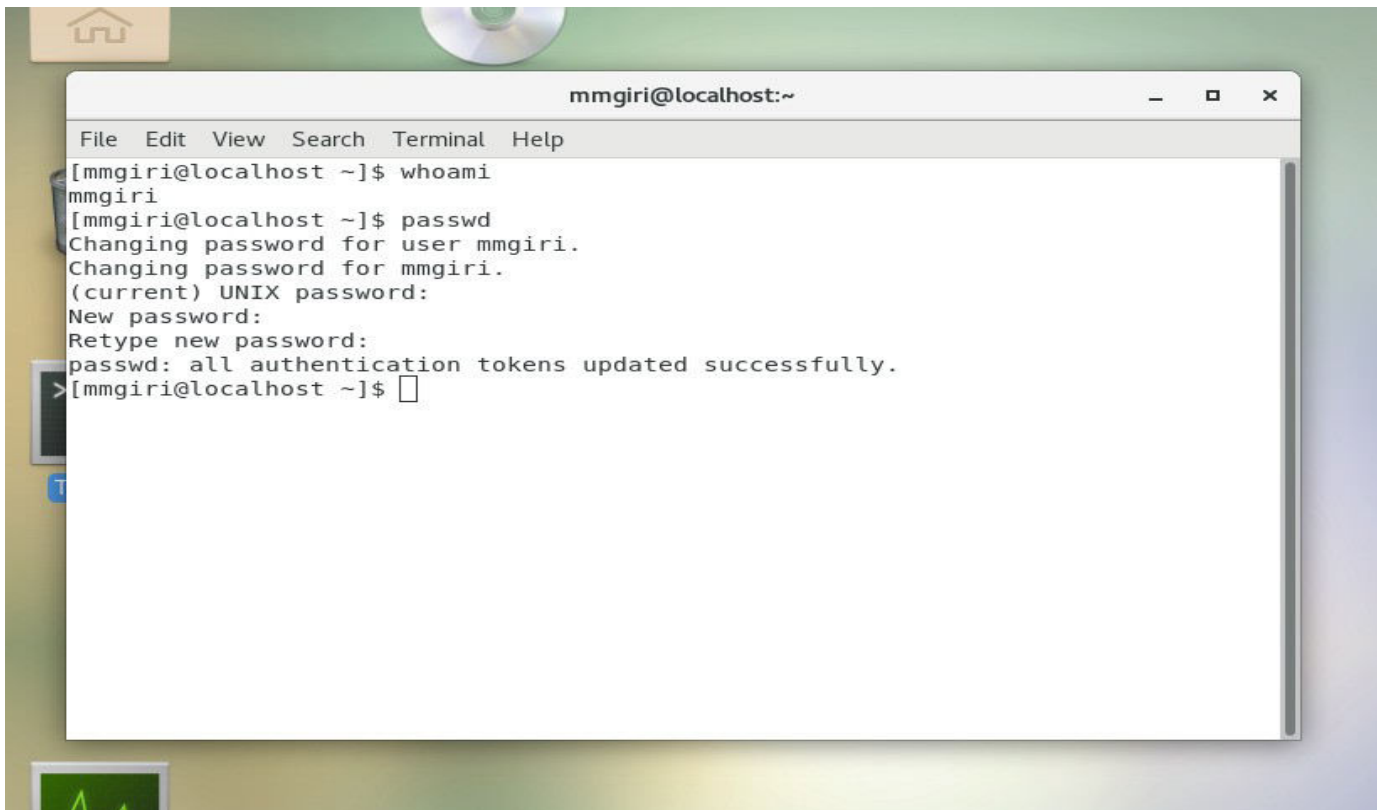
When I selected not listed? User it appeared as the next windows follows:



when we provide a non-existent username. We cannot login to our system neither through our own password nor by creating a separate username password.

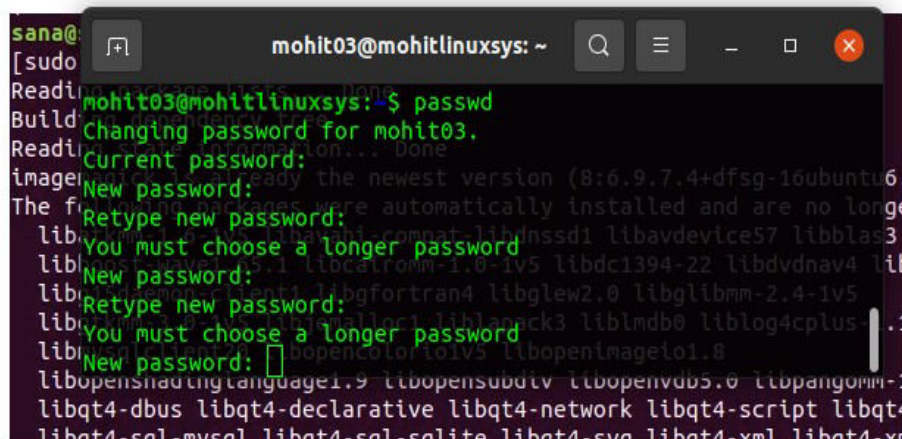
## Assignment-2

### Case – 1



After writing passwd command it asks the current password, only after writing the correct password only it goes to for the changing to new password. So, in this case I changed my password to IneuR0n#42, and it was successfully updated.

### Case-2



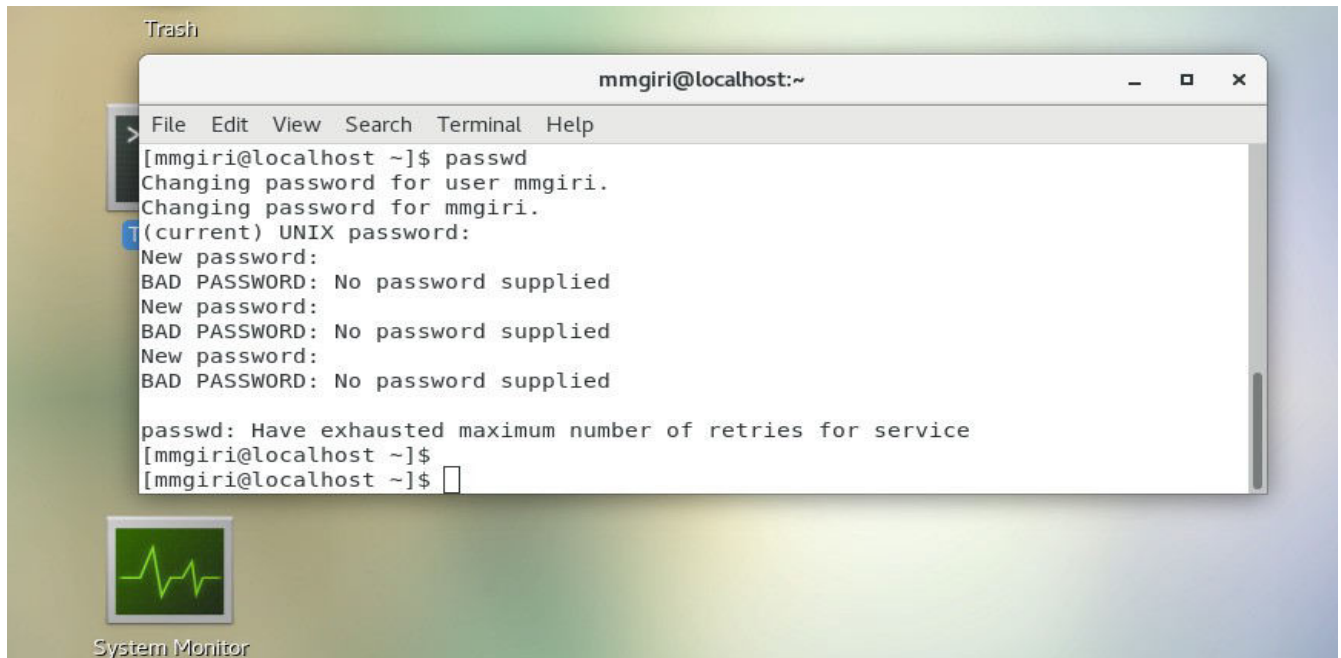
The system might prompt you with a y/n option to confirm installation. Please enter Y and hit Enter after which the software will be installed on your system.

In order to edit an image through ImageMagick, please open it using the following command syntax:

Example:

I tried password 1234 and abcd it popped up with a message on terminal as follows:  
You must choose a long password

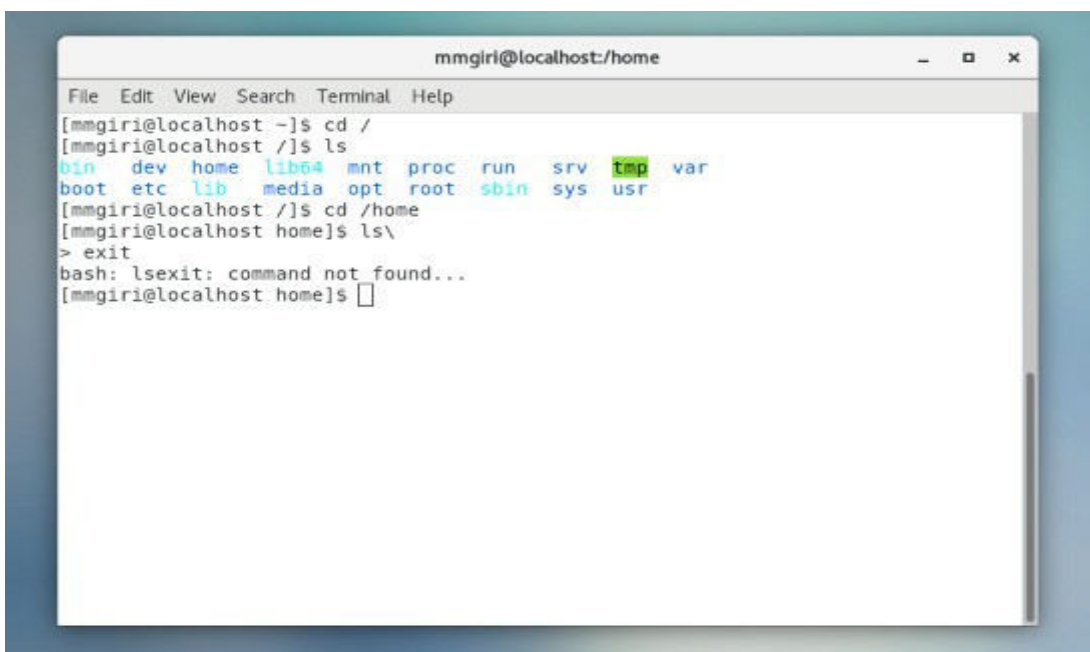
### Case-3



I tried password 1234 and abcd it popped up with a message on terminal as follows:  
BAD PASSWORD: No password supplied.

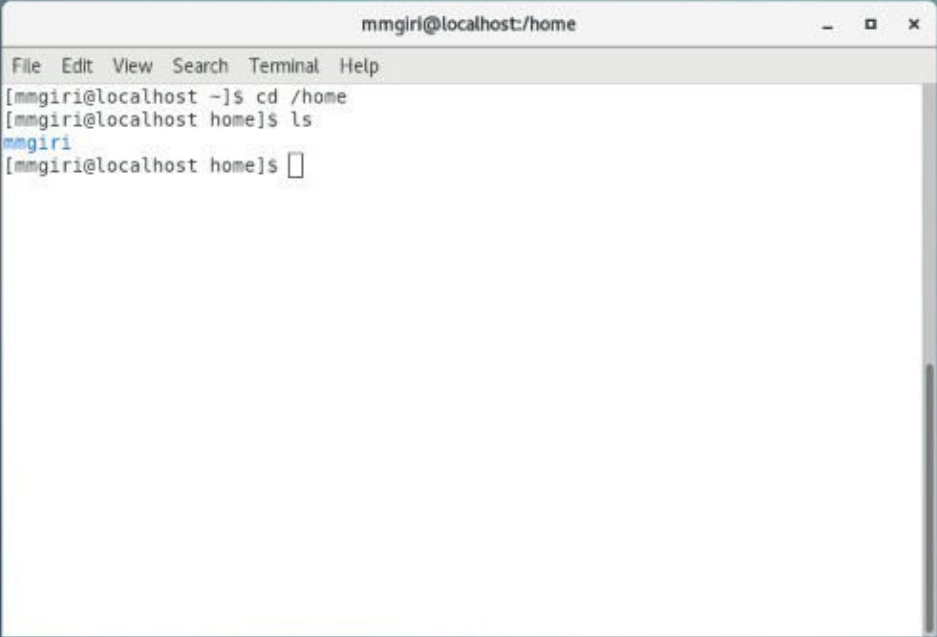
### Assignment-3

Q1)



cd / - change directory to the root folder  
and now  
ls - lists the the directories inside the root folders.

Q2)



```
mmgiri@localhost:/home
File Edit View Search Terminal Help
[mmgiri@localhost ~]$ cd /home
[mmgiri@localhost home]$ ls
mmgiri
[mmgiri@localhost home]$
```

we changed directory to home from cd /home.  
After ls – shows the users under home directory.

/home directory is used by the user it is the users space having Downloads , Document, Desktop, Music e.t.c

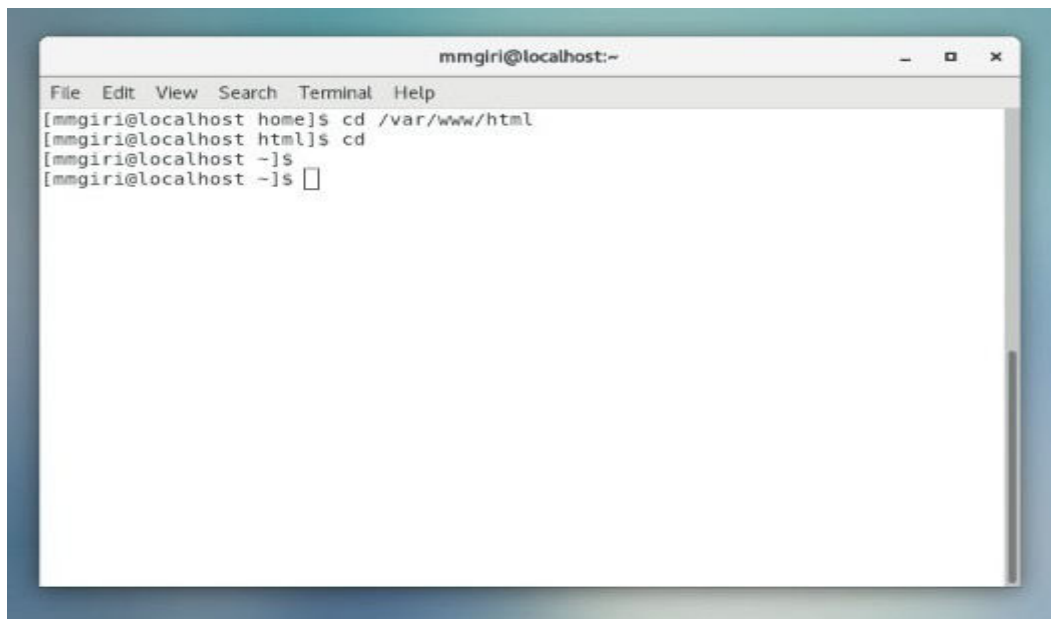
Q3)



```
mmgiri@localhost:/
File Edit View Search Terminal Help
[mmgiri@localhost home]$ cd ..
[mmgiri@localhost /]$
```

cd .. takes back to previous folder from the current directory in which the current directory is

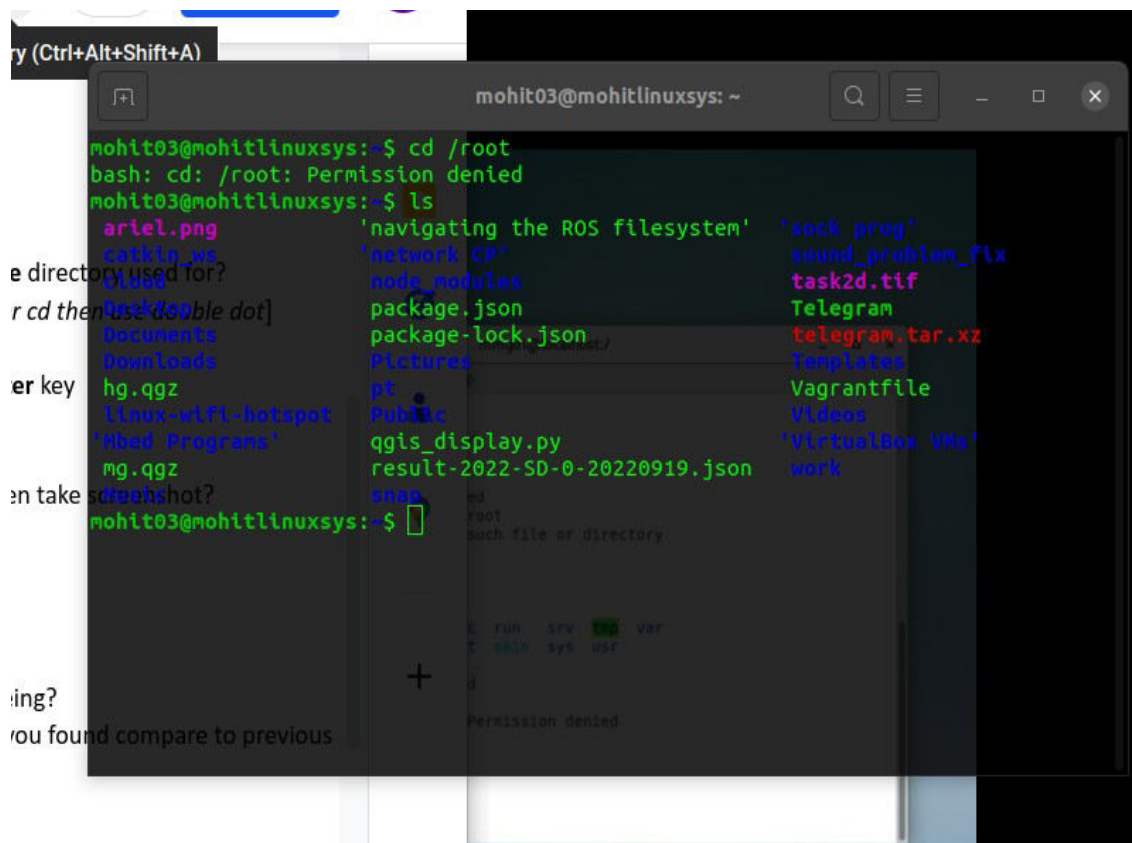
Q4)



```
mmgiri@localhost:~  
File Edit View Search Terminal Help  
[mmgiri@localhost ~]$ cd /var/www/html  
[mmgiri@localhost html]$ cd  
[mmgiri@localhost ~]$  
[mmgiri@localhost ~]$
```

cd var/www/html changes the directory to this path as followed  
and now  
ls – lists nothing, it is empty, no directory.

Q5)



```
mohit03@mohitlinuxsys: ~  
mohit03@mohitlinuxsys:~$ cd /root  
bash: cd: /root: Permission denied  
mohit03@mohitlinuxsys:~$ ls  
'ariel.png' 'navigating the ROS filesystem' 'sock prog'  
'catkin_ws' 'network CP' sound_problem_fix  
'cloud' node_modules task2d.tif  
'Desktop' package.json Telegram  
[use double dot] package-lock.json telegram.tar.xz  
Documents Pictures Templates  
Downloads pE Vagrantfile  
hg.qgz Public Videos  
'linux-wifi-hotspot' qgis_display.py 'VirtualBox VMs'  
'Nbed Programs' result-2022-SD-0-20220919.json work  
mg.qgz snap  
mohit03@mohitlinuxsys:~$
```



On typing `cd /root` it comes with a message that as follows:

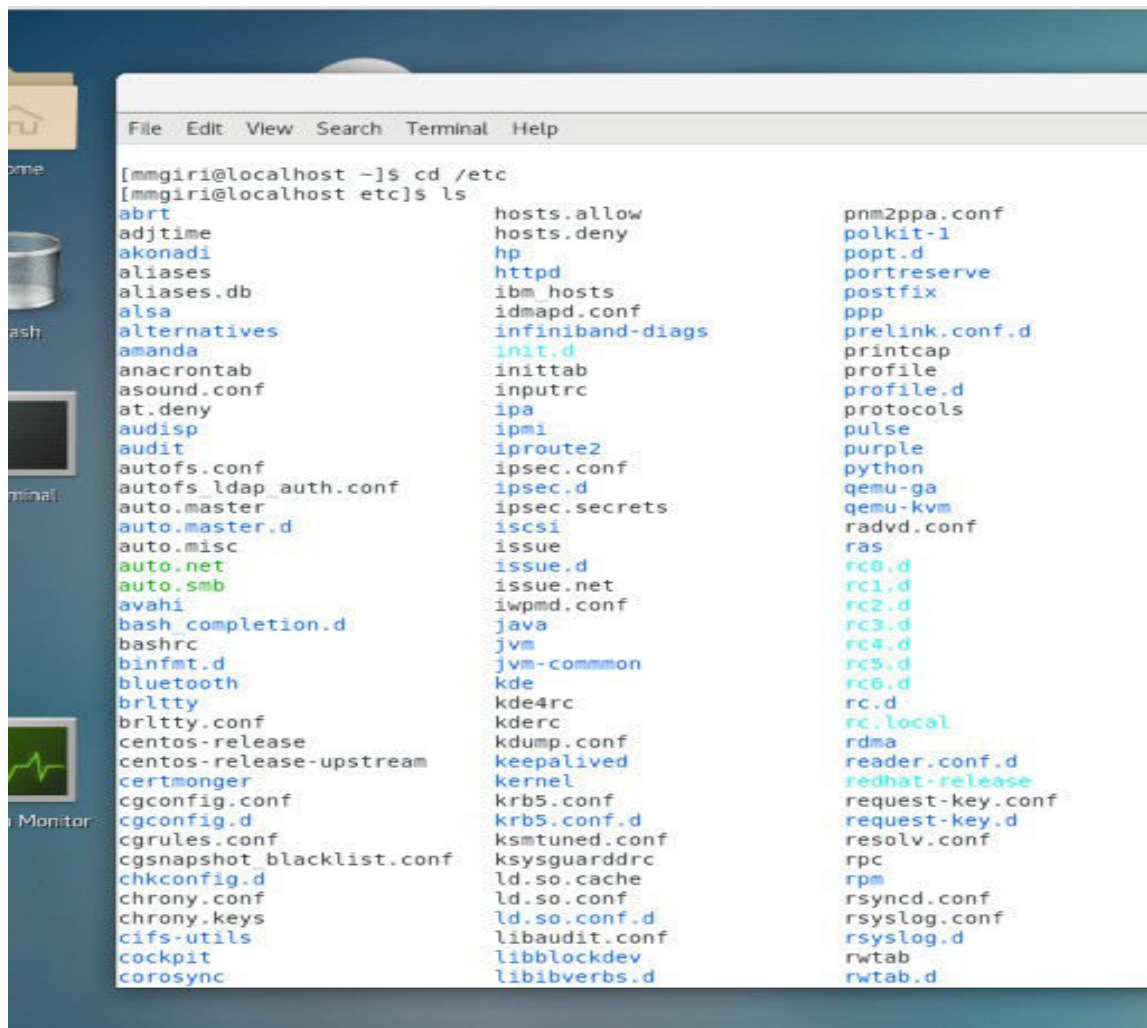
```
bash: cd: /root: Permission denied
```

it denied to change the directory to root from home directory because the root folder is the top level and it starts with a '/' (known as root) under this root all directories of system comes. and next

`ls` – lists all the directories within the home directory because on `cd /root` it doesn't change the directory, as it remains in home directory it lists all the directory present within home.

#### Assignment-4

Q1)



```
File Edit View Search Terminal Help

[mmgiri@localhost ~]$ cd /etc
[mmgiri@localhost etc]$ ls
abrt                               hosts.allow                       pnm2ppa.conf
adjtime                           hosts.deny                        polkit-1
akonadi                           hp                                popt.d
aliases                           httpd                             portreserve
aliases.db                        ibm_hosts                        postfix
alsa                              idmapd.conf                      ppp
alternatives                     infiniband-diags                 prelink.conf.d
amanda                            init.d                           printcap
anacrontab                        inittab                          profile
asound.conf                      inputrc                          profile.d
at.deny                           ipa                               protocols
audisp                           ipmi                             pulse
audit                            iproute2                        purple
autofs.conf                      ipsec.conf                      python
autofs_ldap_auth.conf            ipsec.d                         qemu-ga
auto.master                      ipsec.secrets                   qemu-kvm
auto.master.d                   iscsi                           radvd.conf
auto.misc                        issue                            ras
auto.net                         issue.d                         rc0.d
auto.smb                         issue.net                       rc1.d
avahi                            iwpmc.conf                      rc2.d
bash_completion.d               java                             rc3.d
bashrc                           jvm                             rc4.d
binfmt.d                         jvm-common                     rc5.d
bluetooth                       kde                              rc6.d
brltty                           kde4rc                          rc.d
brltty.conf                     kderc                           rc.local
centos-release                  kdumpp.conf                    rdma
centos-release-upstream         keepalived                     reader.conf.d
certmonger                      kernel                          redhat-release
cgconfig.conf                   krb5.conf                      request-key.conf
cgconfig.d                      krb5.conf.d                    request-key.d
cgrules.conf                    ksmtuned.conf                  resolv.conf
cgsnapshot_blacklist.conf       ksysguarddrc                   rpc
chkconfig.d                     ld.so.cache                    rpm
chrony.conf                     ld.so.conf                     rsyncd.conf
chrony.keys                      ld.so.conf.d                   rsyslog.conf
cifs-utils                      libaudit.conf                  rsyslog.d
cockpit                         libblockdev                    rwtab
corosync                       libibverbs.d                   rwtab.d
```

`cd /etc` – change the directory to the etc directory from home directory,

`ls` – lists all the directoried within etc directory.

Q2)

```

mmgiri@localhost etc$ ls -al
total 1632
drwxr-xr-x. 180 root root    12288 Dec 23 18:20 .
dr-xr-xr-x. 17 root root     224 Dec 8 16:12 ..
drwxr-xr-x. 3 root root     101 Dec 8 16:04 abrt
-rw-r--r--. 1 root root      16 Dec 8 16:12 adjtime
drwxr-xr-x. 2 root root     116 Dec 8 16:06 akonadi
-rw-r--r--. 1 root root    1529 Apr 1 2020 aliases
-rw-r--r--. 1 root root   12288 Dec 8 16:13 aliases.db
drwxr-xr-x. 3 root root      65 Dec 8 16:05 alsa
drwxr-xr-x. 2 root root   4096 Dec 8 16:10 alternatives
drwxr-xr-x. 3 root root      45 Dec 8 16:07 amanda
-rw-r--r--. 1 root root    541 Aug 9 2019 anacrontab
-rw-r--r--. 1 root root     55 Aug 8 2019 asound.conf
-rw-r--r--. 1 root root      1 Oct 30 2018 at.deny
drwxr-xr-x. 3 root root      43 Dec 8 16:05 audisp
drwxr-xr-x. 3 root root      83 Dec 8 16:13 audit
-rw-r--r--. 1 root root   15137 Sep 30 2020 autofs.conf
-rw-r--r--. 1 root root    232 Sep 30 2020 autofs_ldap_auth.conf
-rw-r--r--. 1 root root    795 Sep 30 2020 auto.master
drwxr-xr-x. 2 root root      6 Sep 30 2020 auto.master.d
-rw-r--r--. 1 root root    524 Sep 30 2020 auto.misc
-rw-r--r--. 1 root root   1260 Sep 30 2020 auto.net
-rw-r--r--. 1 root root    687 Sep 30 2020 auto.smb
drwxr-xr-x. 4 root root      71 Dec 8 16:07 avahi
drwxr-xr-x. 2 root root   4096 Dec 8 17:30 bash_completion.d
-rw-r--r--. 1 root root   2853 Apr 1 2020 bashrc
drwxr-xr-x. 2 root root      6 Oct 1 2020 binfmt.d
drwxr-xr-x. 2 root root      23 Dec 8 16:04 bluetooth
drwxr-xr-x. 2 root root   12288 Dec 8 16:05 brltty
-rw-r--r--. 1 root root  21929 Apr 11 2018 brltty.conf
-rw-r--r--. 1 root root      37 Oct 23 2020 centos-release
-rw-r--r--. 1 root root      51 Oct 23 2020 centos-release-upstream
drwxr-xr-x. 2 root root      29 Dec 8 16:04 certmonger
-rw-r--r--. 1 root root    676 Aug 9 2019 cgconfig.conf
drwxr-xr-x. 2 root root      6 Aug 9 2019 cgconfig.d
-rw-r--r--. 1 root root    265 Dec 8 16:07 cgrules.conf
-rw-r--r--. 1 root root    131 Aug 9 2019 cgsnapshot_blacklist.conf
drwxr-xr-x. 2 root root      6 Oct 13 2020 chkconfig.d
-rw-r--r--. 1 root root    1108 Aug 8 2019 chrony.conf
-rw-r--r--. 1 root chrony    481 Aug 8 2019 chrony.keys
drwxr-xr-x. 2 root root      26 Dec 8 16:05 cifs-utils
drwxr-xr-x. 4 root root      42 Dec 8 16:05 cockpit

```

ls -al – it lists all the directories under it ,-al is abbreviated as all, with permission, size and date and path

Q5)

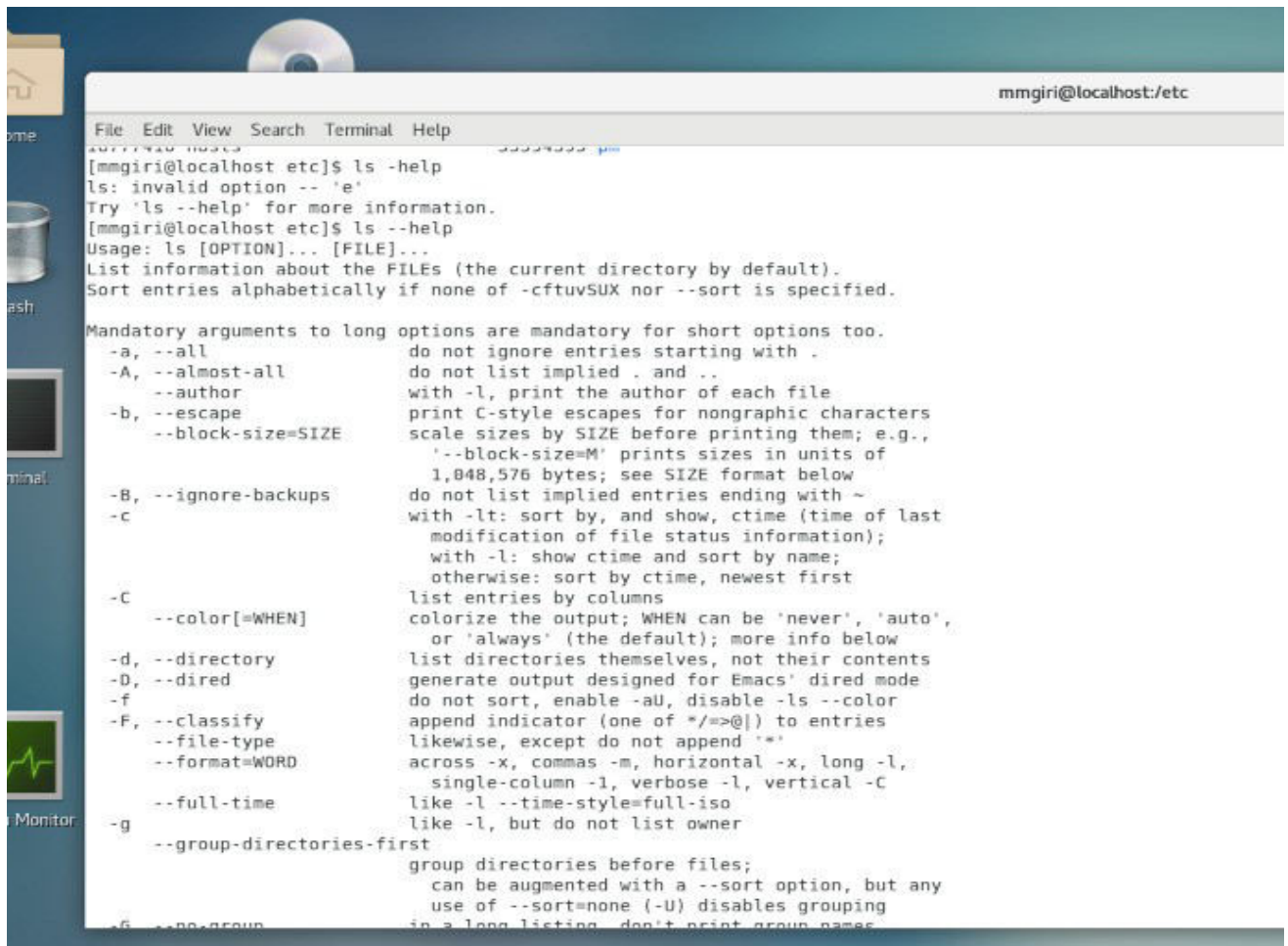
```

mmgiri@localhost:/etc$ ls -li
19103161 pnm2ppa.conf
17884685 polkit-1
171928 popt.d
51502949 portreserve
4250121 postfix
2169497 ppp
33729271 prelink.conf.d
16777416 printcap
16777417 profile
16777418 profile.d
16777421 protocols
34679643 pulse
35495230 purple
16946227 python
2241014 qemu-ga
2570106 qemu-kvm
18109704 radvd.conf
4249902 ras
16909835 rc0.d
16909836 rc1.d
16909837 rc2.d
16909838 rc3.d
16909839 rc4.d
16909840 rc5.d
16909841 rc6.d
171943 rc.d
17882493 rc.local
51492864 rdma
2171318 reader.conf.d
16777394 redhat-release
16947930 request-key.conf
50489630 request-key.d
19227281 resolv.conf
16828076 rpc
50331769 rpm
17883252 rsyncd.conf
18078004 rsynclog.conf

```

ls -i -lists all the directories under the /etc directories along with the index number.

Q6)



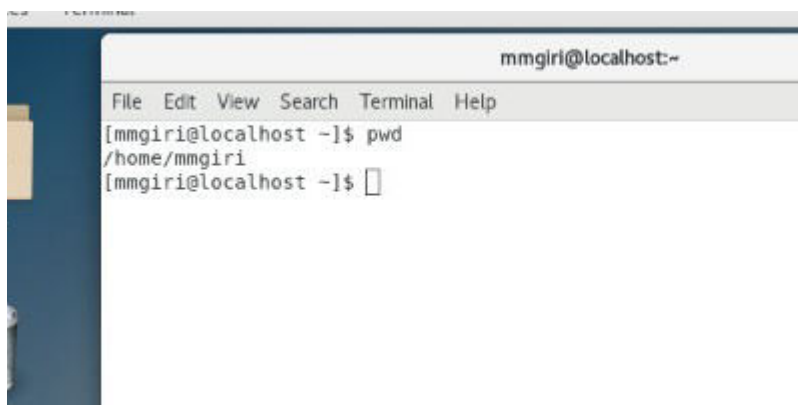
```
mmgiri@localhost:/etc
File Edit View Search Terminal Help
[mmgiri@localhost etc]$ ls -help
ls: invalid option -- 'e'
Try 'ls --help' for more information.
[mmgiri@localhost etc]$ ls --help
Usage: ls [OPTION]... [FILE]...
List information about the FILES (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.
-a, --all                        do not ignore entries starting with .
-A, --almost-all               do not list implied . and ..
--author                        with -l, print the author of each file
-b, --escape                     print C-style escapes for nongraphic characters
--block-size=SIZE              scale sizes by SIZE before printing them; e.g.,
                               '--block-size=M' prints sizes in units of
                               1,048,576 bytes; see SIZE format below
-B, --ignore-backups            do not list implied entries ending with ~
-c                              with -lt: sort by, and show, ctime (time of last
                               modification of file status information);
                               with -l: show ctime and sort by name;
                               otherwise: sort by ctime, newest first
-C                              list entries by columns
--color[=WHEN]                 colorize the output; WHEN can be 'never', 'auto',
                               or 'always' (the default); more info below
-d, --directory                list directories themselves, not their contents
-D, --dired                     generate output designed for Emacs' dired mode
-f                              do not sort, enable -aU, disable -ls --color
--append-indicator              append indicator (one of */=>@|) to entries
                               likewise, except do not append '*'
--file-type                    across -x, commas -m, horizontal -x, long -l,
--format=WORD                  single-column -l, verbose -l, vertical -C
--full-time                    like -l --time-style=full-iso
-g                              like -l, but do not list owner
--group-directories-first      group directories before files;
                               can be augmented with a --sort option, but any
                               use of --sort=none (-U) disables grouping
--no-group                     in a long listing, don't print group names
```

ls -help – it gives the discription on the differnt arguments available to explore a instruction of command. We can try different argumnets with our command and see explore it in depth and more easy to use approach

Assignment-5

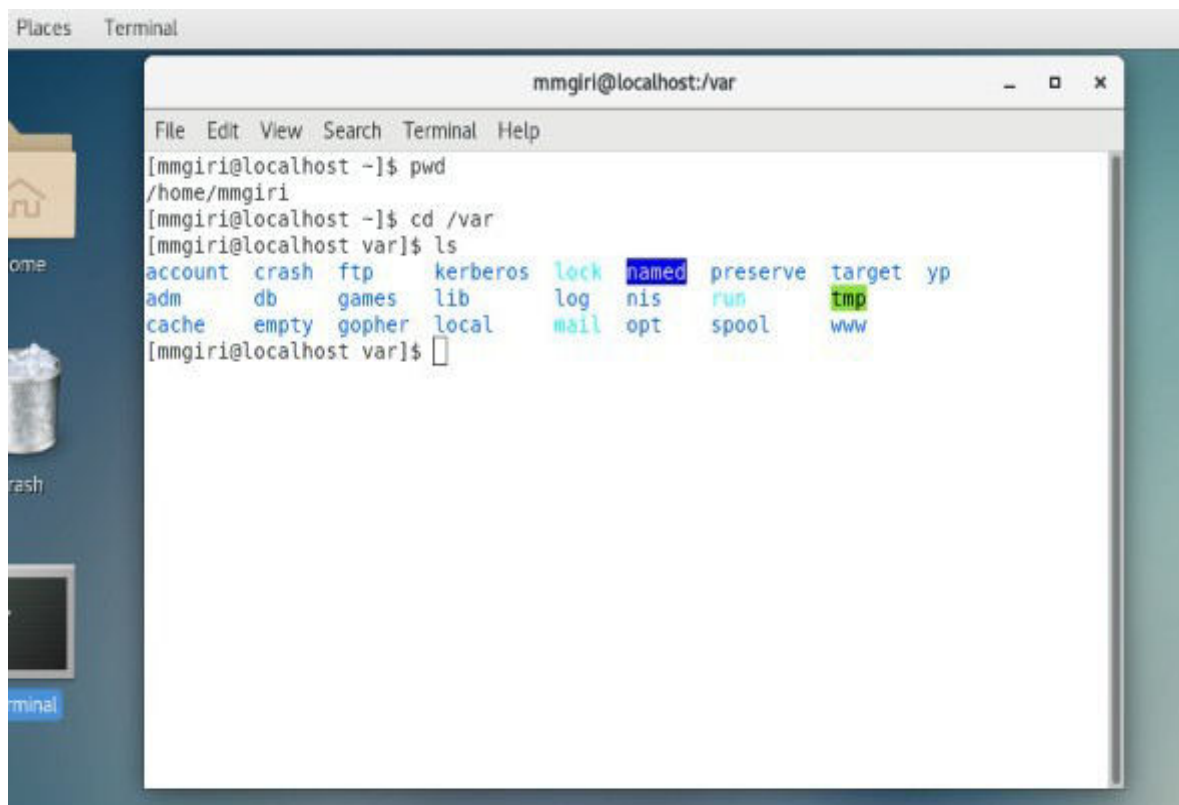
Q1)



```
mmgiri@localhost:~
File Edit View Search Terminal Help
[mmgiri@localhost ~]$ pwd
/home/mmgiri
[mmgiri@localhost ~]$
```



pwd – prints the current working directory that is home directory *homemmgi*  
Q3)

A screenshot of a Linux terminal window. The window title is "mmgiri@localhost:/var". The terminal shows the following commands and output:

```
[mmgiri@localhost ~]$ pwd
/home/mmgiri
[mmgiri@localhost ~]$ cd /var
[mmgiri@localhost var]$ ls
account  crash  ftp      kerberos  lock  named  preserve  target  yp
adm      db     games    lib        log   nis     run        tmp     www
cache    empty  gopher   local      mail  opt     spool
```

The terminal window has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The background of the terminal window is white, and the text is black. The prompt character is a dollar sign (\$). The output of the ls command is displayed in a grid-like format with color-coded text.

Here cd /var -change directory to var from etc  
and using ls - lists all the directories under this directory.