

# WIPRO NGA Program – Datacenter Batch5

Capstone Project Presentation – 06 April 2024

Project Title Here – Installation of CentOS-7 & managing user & group  
& configure Filepermission

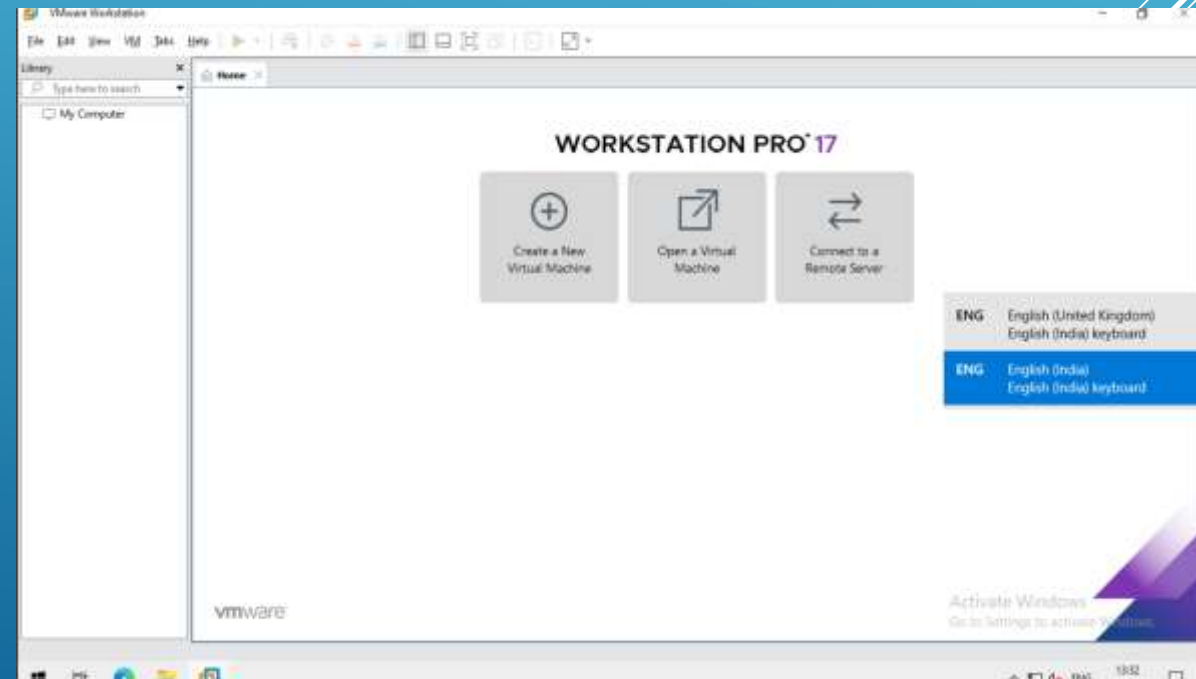
Presented by - Kishor Chandra Sahoo

# Slide Title

❑ Here is the first page of cloud Environment.



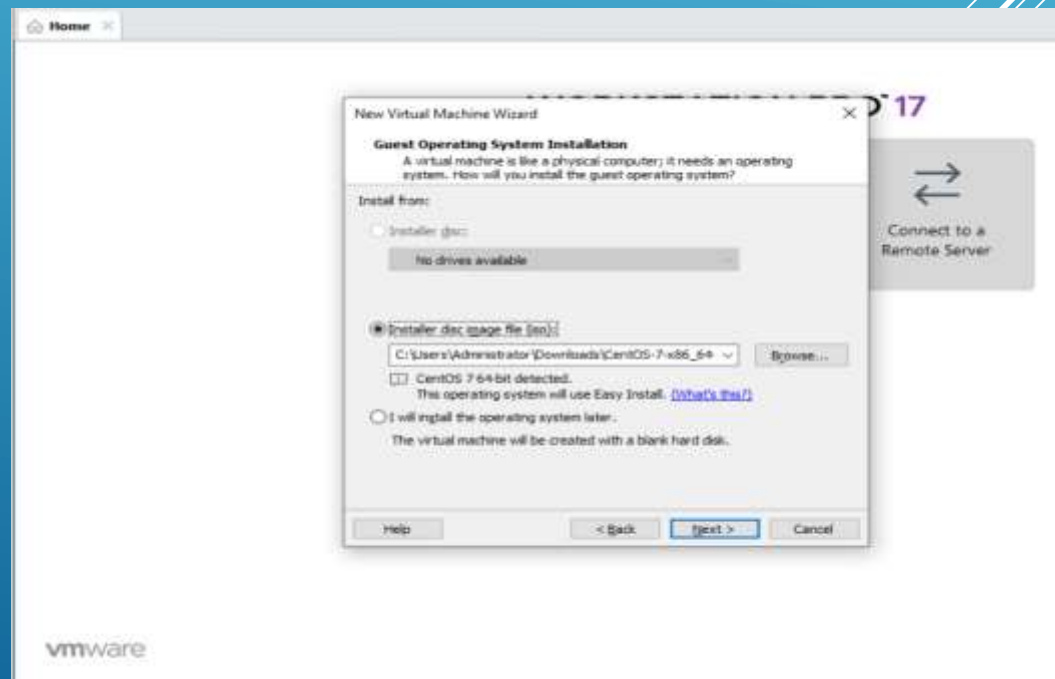
❑ Here is the first step of installation and open view of vmware.



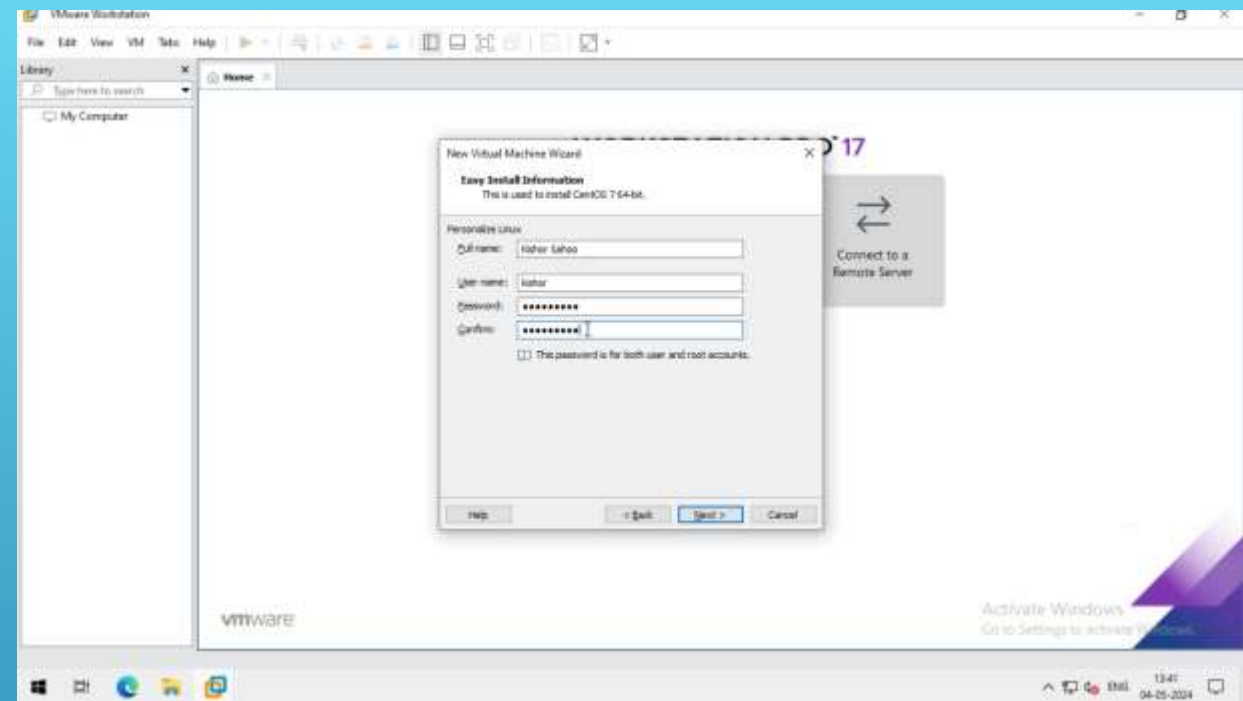
- ❑ After clicking Create a new virtual machine ,Then we have this interface.
- ❑ In this step choose typical.



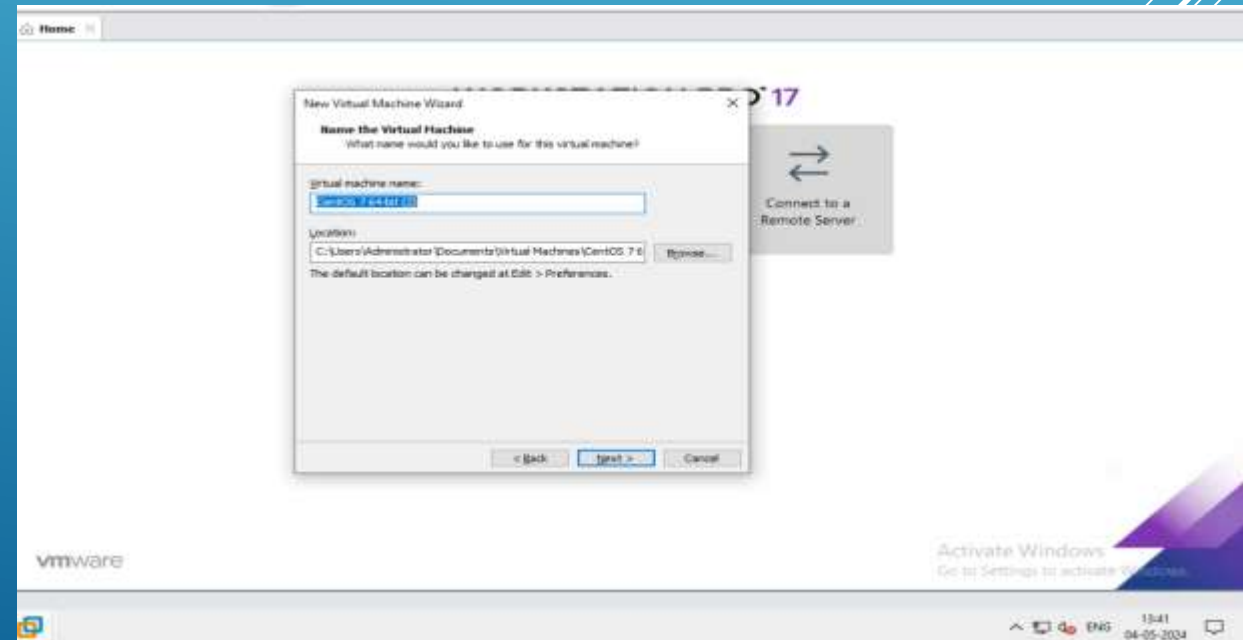
- ❑ After Clicking Typical this is the next step , In here we browse CentOS7 -7 Click Next.



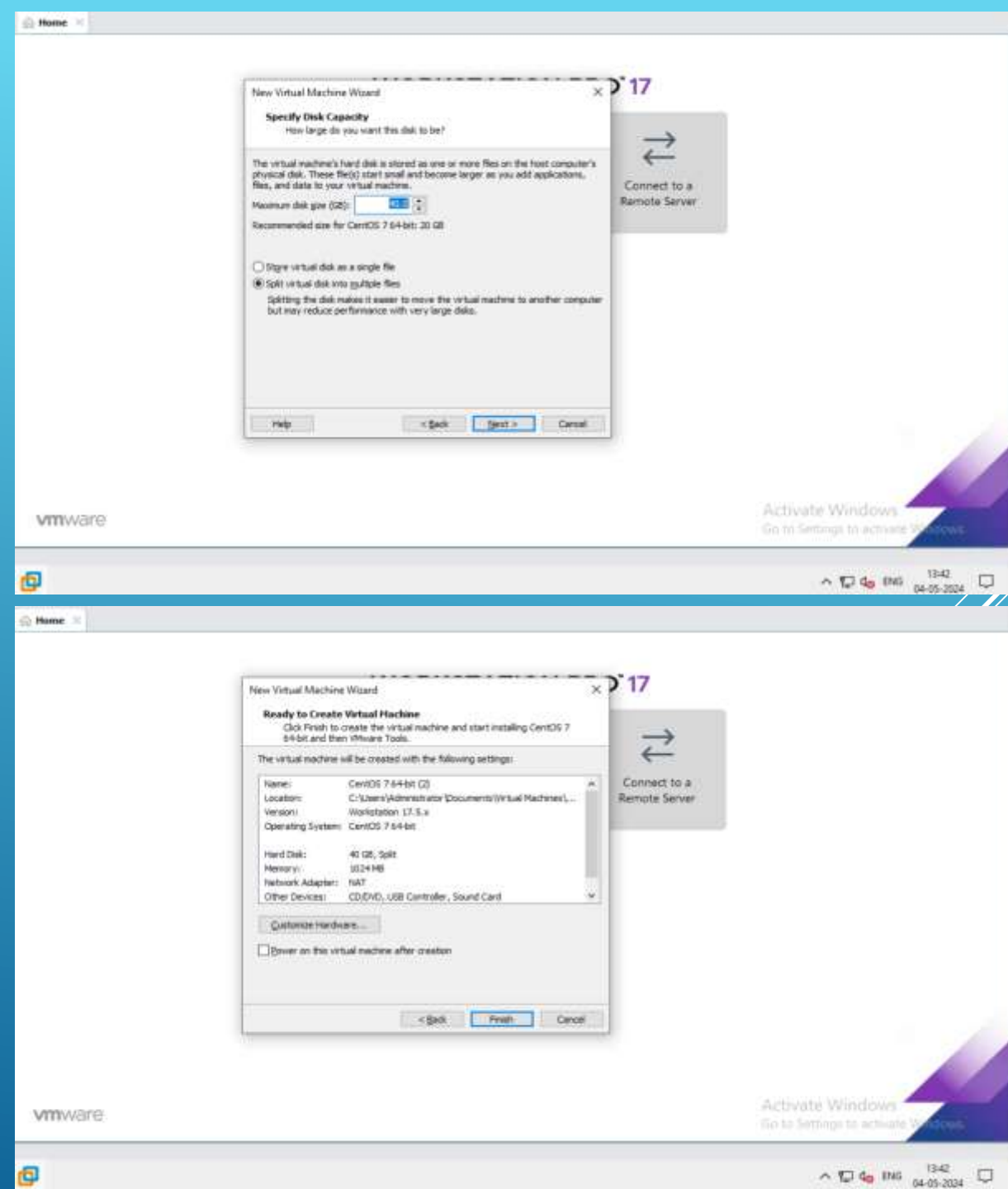
- ❑ After browse next step is assign full name, user name & password.
- ❑ Then click next.



- ❑ After that give the name of the virtual machine.

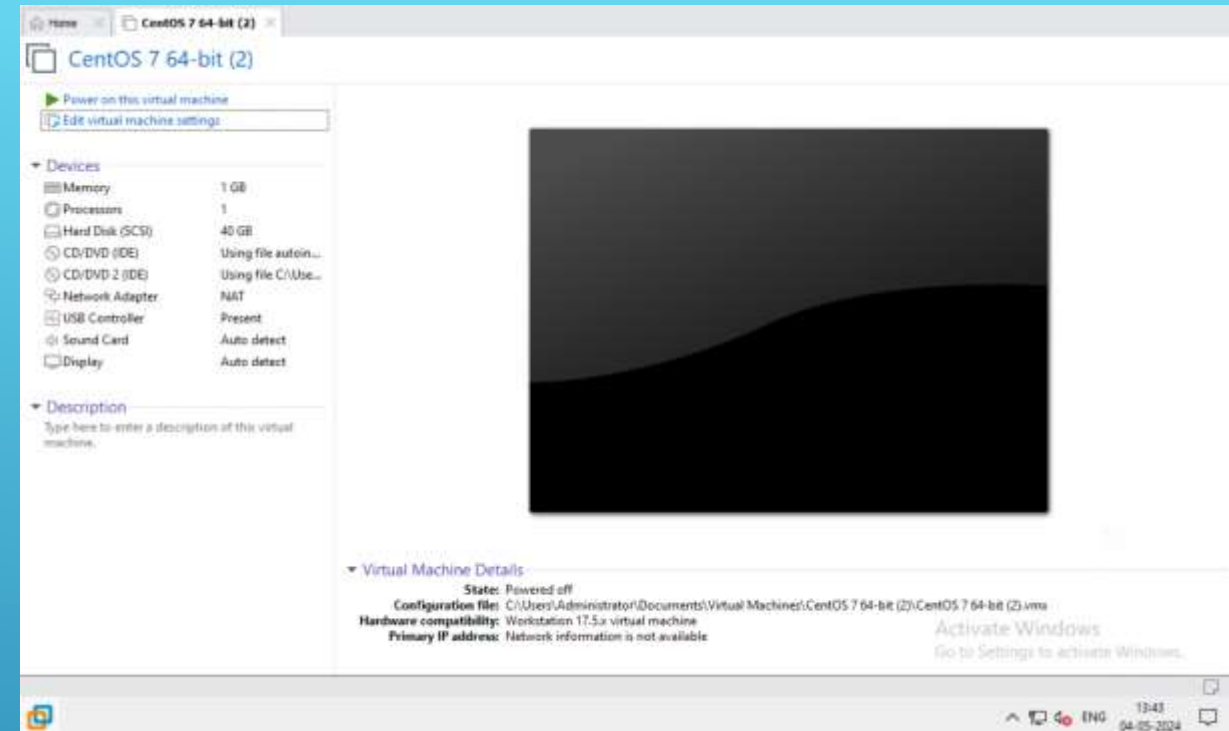


- ❑ After that here we give Disk size of the machine.
- ❑ Click Next.



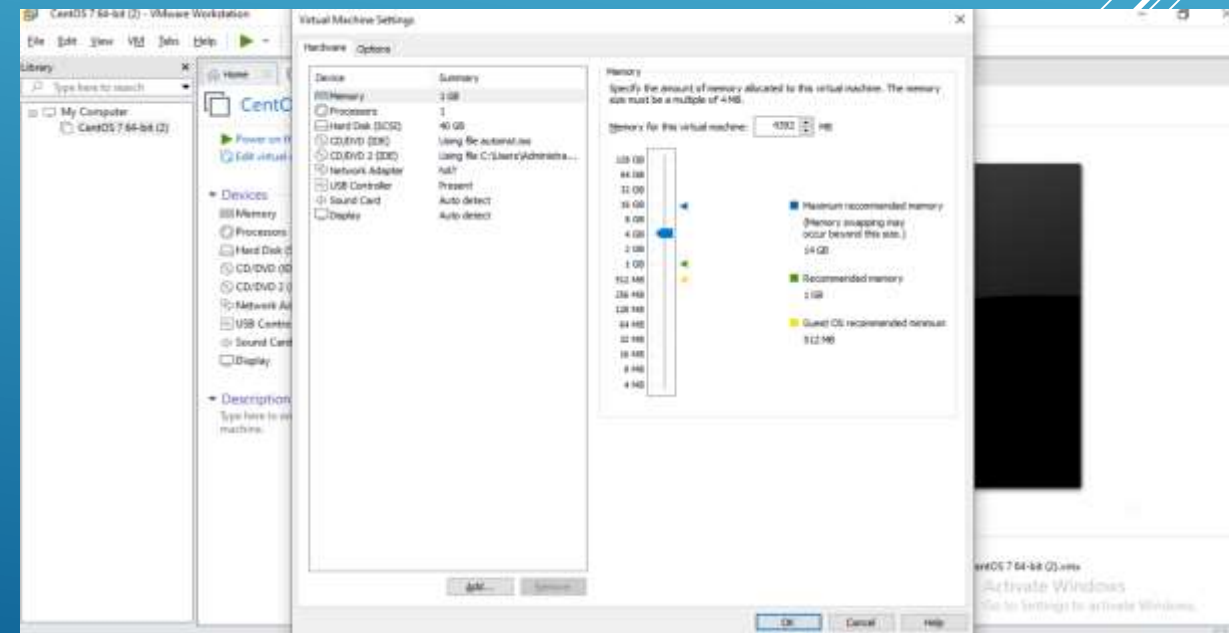
- ❑ In this step ,our CentOS-7 Virtual machine ready to create.
- ❑ Then click Next.

❑ Here is the first step after finished or first look of CentOS-7.

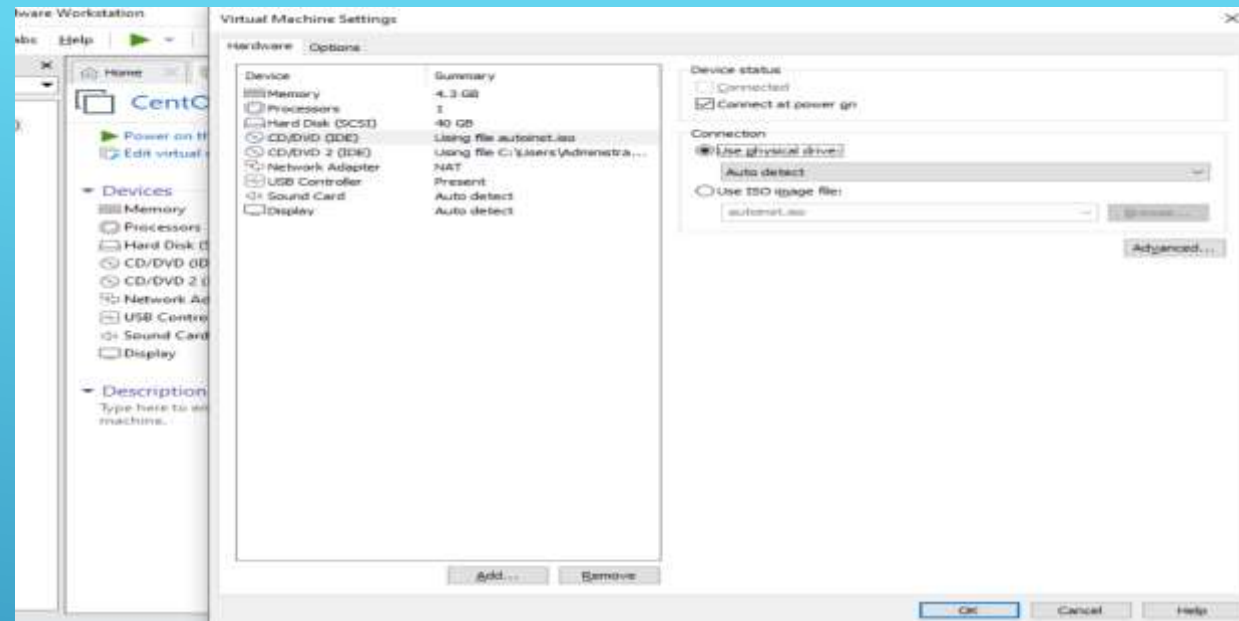


❑ After that edit the virtual machine setting.

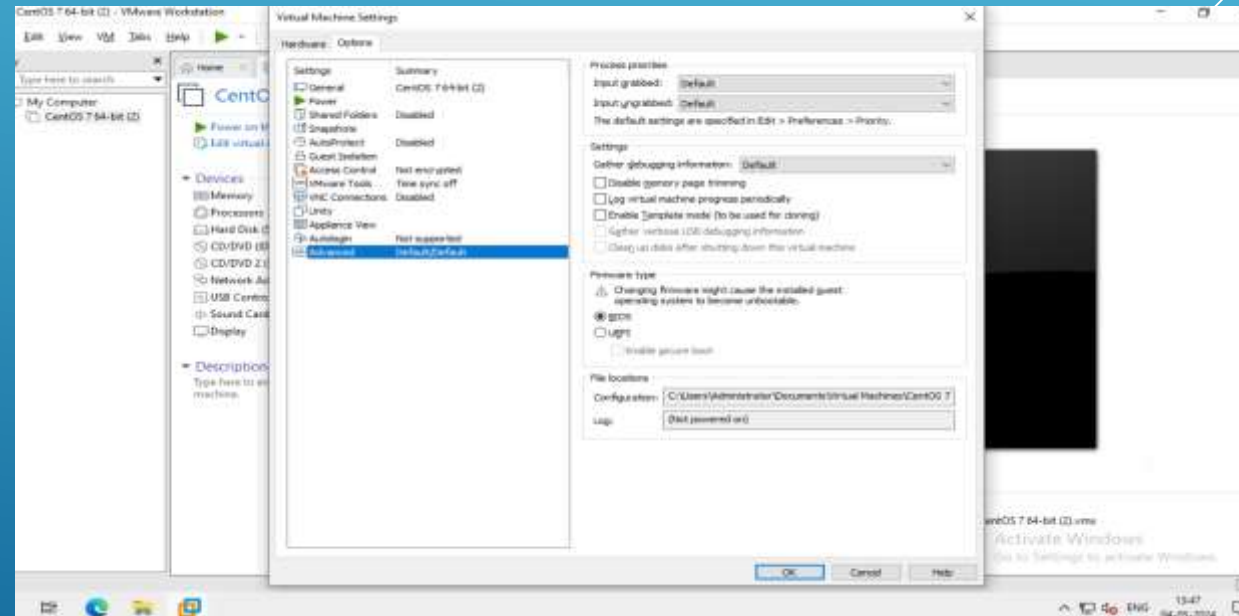
❑ Here is the first look.



- ❑ Now go to the CD/DVD Choose physical drive.
- ❑ Click ok.



- ❑ Now go to the advance choose BIOS.
- ❑ Click ok.





- ❑ First login with root.
- ❑ Then Give password.
- ❑ Create user and group by the help of useradd and groupadd command.

```
CentOS Linux 7 (Core)
Kernel 3.10.0-1160.el7.x86_64 on an x86_64

localhost login: root
Password:
Login incorrect

localhost login: root
Password:
Last login: Sat May 4 13:29:47 on tty1
root@localhost ~]# pwd
/root
root@localhost ~]# useradd kishor
root@localhost ~]# passwd kishor
Changing password for user kishor.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
root@localhost ~]# id kishor
uid=1000(kishor) gid=1000(kishor) groups=1000(kishor)
root@localhost ~]# useradd suman
root@localhost ~]# passwd suman
Changing password for user suman.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
root@localhost ~]# id suman
uid=1001(suman) gid=1001(suman) groups=1001(suman)
root@localhost ~]# _
```

- ❑ In 2<sup>nd</sup> slide verify user and group.

```
uid=1001(suman) gid=1001(suman) groups=1001(suman)
[root@localhost ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
postfix:x:89:89:/var/spool/postfix:/sbin/nologin
chrony:x:998:996:/:/var/lib/chrony:/sbin/nologin
kishor:x:1000:1000:/:/home/kishor:/bin/bash
suman:x:1001:1001:/:/home/suman:/bin/bash
[root@localhost ~]# _
```



- ❑ Here verify group that is milestone and capstone.

```
disk:x:6:  
lp:x:7:  
mem:x:8:  
kmem:x:9:  
wheel:x:10:  
cdrom:x:11:  
mail:x:12:postfix  
man:x:15:  
dialout:x:18:  
floppy:x:19:  
games:x:20:  
tape:x:33:  
video:x:39:  
ftp:x:50:  
lock:x:54:  
audio:x:63:  
nobody:x:99:  
users:x:100:  
utmp:x:22:  
utempter:x:35:  
input:x:999:  
systemd-journal:x:198:  
systemd-network:x:192:  
dbus:x:81:  
polkitd:x:998:  
ssh_keys:x:997:  
sshd:x:74:  
postdrop:x:98:  
postfix:x:89:  
chrony:x:996:  
kishor:x:1000:  
suman:x:1001:  
milestone:x:1002:  
capstone:x:1003:  
[root@localhost ~]# group  
-bash: group: command not found  
[root@localhost ~]#
```

- ❑ Assign user to group.
- ❑ Here user name suman & Kishor.
- ❑ Group Name capstone & milestone.

```
postfix:x:89:  
chrony:x:996:  
kishor:x:1000:  
suman:x:1001:  
milestone:x:1002:  
capstone:x:1003:  
[root@localhost ~]# group  
-bash: group: command not found  
[root@localhost ~]# milestone /etc/group  
-bash: milestone: command not found  
[root@localhost ~]# usermod -G milestone kishor  
usermod: group 'milestone' does not exist  
[root@localhost ~]# usermod -G capstone kishor  
[root@localhost ~]# usermod -G milestone suman  
[root@localhost ~]#
```

❑ Here verifying assign user to group .

```
games:x:20:
tape:x:33:
video:x:39:
ftp:x:50:
lock:x:54:
audio:x:63:
nobody:x:99:
users:x:100:
utmp:x:22:
utempter:x:35:
input:x:999:
systemd-journal:x:190:
systemd-network:x:192:
dbus:x:81:
polkitd:x:998:
ssh_keys:x:997:
sshd:x:74:
postdrop:x:90:
postfix:x:89:
chrony:x:996:
kishor:x:1000:
suman:x:1001:
milestone:x:1002:suman
capstone:x:1003:kishor
[root@localhost ~]#
```

```
root:x:0:0:root:/root:/bin:/usr/sbin/bash
bin:x:1:1:bin:/bin:/usr/sbin/no log in
daemon:x:2:2:daemon:/sbin:/sbin/no log in
adm:x:3:4:adm:/var/adm:/sbin/no log in
lp:x:4:7:lp:/var/spool/lp:/sbin/no log in
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/no log in
operator:x:11:0:operator:/root:/sbin/no log in
games:x:12:100:games:/usr/games:/sbin/no log in
ftp:x:14:52:FTP User:/var/ftp:/sbin/no log in
nobody:x:99:99:Nobody:/sbin/no log in
systemd-network:x:192:192:systemd Network Management:/sbin/no log in
dbus:x:81:81:dbus:/usr/lib/dbus:/sbin/no log in
polkitd:x:999:999:User for polkitd:/sbin/no log in
sshd:x:74:74:Privilege-separated SSH:/var/emptysshd:/sbin/no log in
portf:x:89:89:/var/spool/portf:/sbin/no log in
chrony:x:998:996:/var/lib/chrony:/sbin/no log in
klishor:x:1000:1000:/home/klishor:/bin:/usr/bin/bash
zaman:x:1001:1001:/home/zaman:/bin:/usr/bin/bash
```

- ❑ Here use command to list file in the directory.
- ❑ Then create a directory.
- ❑ And give the permission using chmod.
- ❑ Then again run ls -ltr

```

nobody:x:99:99:Nobody:::/sbin/nologin
systemd-networkd:x:192:192:systemd Network Management:::/sbin/nologin
dbus:x:81:81:System message bus:::/sbin/nologin
polkitd:x:999:998:User for polkitd:::/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin
postfix:x:89:89::/var/spool/postfix:/sbin/nologin
chrony:x:998:996::/var/lib/chrony:/sbin/nologin
kishor:x:1888:1888::/home/kishor:/bin/bash
suman:x:1881:1881::/home/suman:/bin/bash
warner:x:1882:1884::/home/warner:/bin/bash
smith:x:1883:1885::/home/smith:/bin/bash
root@localhost ~# ls -ltr
total 4
-rw-r--r--. 1 root root 1273 May  4 18:19 anaconda-ks.cfg
-rw-r--r--. 1 root root    8 May  4 16:05 myfile.txt
root@localhost ~# mkdir test_dir
root@localhost ~# chmod 755 test_dir
root@localhost ~# touch test_file.txt
root@localhost ~# chmod 644 test_file.txt
root@localhost ~# ls -ld test_dir
drwxr-xr-x. 2 root root 6 May  4 17:03 test_dir
root@localhost ~# ls -l test_file.txt
-rw-r--r--. 1 root root 8 May  4 17:04 test_file.txt
root@localhost ~# ls -ltr
total 4
-rw-r--r--. 1 root root 1273 May  4 18:19 anaconda-ks.cfg
-rw-r--r--. 1 root root    8 May  4 16:05 myfile.txt
drwxr-xr-x. 2 root root    6 May  4 17:03 test_dir
-rw-r--r--. 1 root root    8 May  4 17:04 test_file.txt
root@localhost ~# chmod ug+wx myfile.txt
root@localhost ~# ls -l
total 4
-rw-r--r--. 1 root root 1273 May  4 18:19 anaconda-ks.cfg
-rw-rw-rw-. 1 root root    8 May  4 16:05 myfile.txt
drwxr-xr-x. 2 root root    6 May  4 17:03 test_dir
-rw-r--r--. 1 root root    8 May  4 17:04 test_file.txt
root@localhost ~#

```

- ❑ Using grep serch the string.
- ❑ Then display the content of group.
- ❑ Then create empty file using touch.
- ❑ Then create a directory.

```

root@localhost ~# grep capstone /etc/group
capstone:x:1883:kishor
root@localhost ~# grep milestone /etc/group
root@localhost ~# cat /etc/group | grep kishor
kishor:x:1888:
capstone:x:1883:kishor
root@localhost ~# groups kishor
kishor : kishor capstone
root@localhost ~# ls -ld /home/kishor
drwx-----, 2 kishor kishor 62 May  4 16:09 /home/kishor
root@localhost ~# touch capstone
root@localhost ~# ls -l
total 4
-rw-r--r--. 1 root root 1273 May  4 18:19 anaconda-ks.cfg
-rw-r--r--. 1 root root    8 May  4 20:58 capstone
-rw-r--r--. 1 kishor kishor    8 May  4 17:13 exam.txt
-rw-rw-rw-. 1 suman suman    8 May  4 16:05 myfile.txt
dr-x---r-x. 2 root root    6 May  4 17:03 test_dir
-----, 1 root root    8 May  4 17:04 test_file.txt
root@localhost ~# mkdir test1
root@localhost ~#
root@localhost ~#
root@localhost ~#
root@localhost ~#
root@localhost ~# ls -l
total 4
-rw-r--r--. 1 root root 1273 May  4 18:19 anaconda-ks.cfg
-rw-r--r--. 1 root root    8 May  4 20:58 capstone
-rw-r--r--. 1 kishor kishor    8 May  4 17:13 exam.txt
-rw-rw-rw-. 1 suman suman    8 May  4 16:05 myfile.txt
drwxr-xr-x. 2 root root    6 May  4 20:51 test1
dr-x---r-x. 2 root root    6 May  4 17:03 test_dir
-----, 1 root root    8 May  4 17:04 test_file.txt
root@localhost ~# _

```

- ❑ Then using cat command display the content.
- ❑ Then using ls -l list file and directory in long format.
- ❑ Then using chmod we give permissions to empty file and other .
- ❑ Here uga used & u for user , g for group , a for all and also wrx means w for write , r for read and x for execute.
- ❑ By the help of above we give the permissions.

```

Home CentOS 7 64-bit (2) Windows Server 2016 (2)
-rw-r--r--. 1 kishor kishor  8 May  4 17:13 exam.txt
-rw-rw-rw-. 1 suman suman   8 May  4 16:05 myfile.txt
drwxr-xr-x. 2 root  root    6 May  4 28:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
----- 1 root  root      8 May  4 17:04 test_file.txt
root@localhost ~# grep capstone /etc/group
capstone:x:1003:kishor
root@localhost ~# cat /etc/group | grep kishor
kishor:x:1008:
capstone:x:1003:kishor
root@localhost ~# groups kishor
kishor : kishor capstone
root@localhost ~# ls -ld /home/kishor
drwx----- 2 kishor kishor 62 May  4 16:09 /home/kishor
root@localhost ~# touch capstone1
root@localhost ~# ls -l
total 4
-rw----- 1 root  root   1273 May  4 18:19 anaconda-ks.cfg
-rw-rw-rw-. 1 root  root      8 May  4 28:58 capstone
-rw-r--r-- 1 root  root      8 May  4 28:56 capstone1
-rw-r--r-- 1 kishor kishor  8 May  4 17:13 exam.txt
-rw-rw-rw-. 1 suman suman  8 May  4 16:05 myfile.txt
drwxr-xr-x. 2 root  root    6 May  4 28:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
----- 1 root  root      8 May  4 17:04 test_file.txt
root@localhost ~# chmod ug+wx capstone
root@localhost ~# ls -l
total 4
-rw----- 1 root  root   1273 May  4 18:19 anaconda-ks.cfg
-rw-rw-rw-. 1 root  root      8 May  4 28:58 capstone
-rw-r--r-- 1 root  root      8 May  4 28:56 capstone1
-rw-r--r-- 1 kishor kishor  8 May  4 17:13 exam.txt
-rw-rw-rw-. 1 suman suman  8 May  4 16:05 myfile.txt
drwxr-xr-x. 2 root  root    6 May  4 28:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
----- 1 root  root      8 May  4 17:04 test_file.txt
root@localhost ~#

```

Activate Windows  
Go to Settings to activate Windows.

```

Home CentOS 7 64-bit (2) Windows Server 2016 (2)
drwxr-xr-x. 2 root  root    6 May  4 28:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
----- 1 root  root      8 May  4 17:04 test_file.txt
root@localhost ~# chmod ug+wx capstone
root@localhost ~# ls -l
total 4
-rw----- 1 root  root   1273 May  4 18:19 anaconda-ks.cfg
-rw-rw-rw-. 1 root  root      8 May  4 28:58 capstone
-rw-r--r-- 1 root  root      8 May  4 28:56 capstone1
-rw-r--r-- 1 kishor kishor  8 May  4 17:13 exam.txt
-rw-rw-rw-. 1 suman suman  8 May  4 16:05 myfile.txt
drwxr-xr-x. 2 root  root    6 May  4 28:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
----- 1 root  root      8 May  4 17:04 test_file.txt
root@localhost ~# chmod ug+wx test1
root@localhost ~# ls -l
total 4
-rw----- 1 root  root   1273 May  4 18:19 anaconda-ks.cfg
-rw-rw-rw-. 1 root  root      8 May  4 28:58 capstone
-rw-r--r-- 1 root  root      8 May  4 28:56 capstone1
-rw-r--r-- 1 kishor kishor  8 May  4 17:13 exam.txt
-rw-rw-rw-. 1 suman suman  8 May  4 16:05 myfile.txt
dr-x--r-x. 2 root  root    6 May  4 28:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
-rw-rw-rw-. 1 root  root      8 May  4 17:04 test_file.txt
root@localhost ~#

```

Activate Windows  
Go to Settings to activate Windows.



- ❑ Here also give file permission to file and other .
- ❑ Use chmod 777 for change the permission of file.
- ❑ Then give list information about two items “user” & “/home/Kishor”.
- ❑ Then list file and directory in long format.

```

root@localhost ~# chmod ua+wr test_file.txt
[root@localhost ~]# ls -l
total 4
-rw-----. 1 root  root  1273 May  4 10:19 anaconda-ks.cfg
-rwxrwxr--. 1 root  root    0 May  4 20:50 capstone
-rw-r--r--. 1 root  root    0 May  4 20:56 capstone1
-rw-r--r--. 1 kishor kishor  0 May  4 17:13 exam.txt
-rwxrwxr--. 1 suman suman    0 May  4 16:05 myfile.txt
d-----r-x. 2 root  root    6 May  4 20:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
-rw-rw-rw-. 1 root  root    0 May  4 17:04 test_file.txt
[root@localhost ~]# chmod uga+wx capstone1
[root@localhost ~]# ls -l
total 4
-rw-----. 1 root  root  1273 May  4 10:19 anaconda-ks.cfg
-rwxrwxr--. 1 root  root    0 May  4 20:50 capstone
-rwxrwxrwx. 1 root  root    0 May  4 20:56 capstone1
-rw-r--r--. 1 kishor kishor  0 May  4 17:13 exam.txt
-rwxrwxr--. 1 suman suman    0 May  4 16:05 myfile.txt
d-----r-x. 2 root  root    6 May  4 20:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
-rw-rw-rw-. 1 root  root    0 May  4 17:04 test_file.txt
[root@localhost ~]# _

```

```

CentOS 7 64-bit (2)  Windows Server 2016 (2)
-rwxrwxr--. 1 root  root    0 May  4 20:50 capstone
-rwxrwxrwx. 1 root  root    0 May  4 20:56 capstone1
-rw-r--r--. 1 kishor kishor  0 May  4 17:13 exam.txt
-rwxrwxr--. 1 suman suman    0 May  4 16:05 myfile.txt
d-----r-x. 2 root  root    6 May  4 20:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
-rw-rw-rw-. 1 root  root    0 May  4 17:04 test_file.txt
[root@localhost ~]# chmod 777 test
chmod: cannot access 'test': No such file or directory
[root@localhost ~]# chmod 777 test1
[root@localhost ~]# ls -l
total 4
-rw-----. 1 root  root  1273 May  4 10:19 anaconda-ks.cfg
-rwxrwxr--. 1 root  root    0 May  4 20:50 capstone
-rwxrwxrwx. 1 root  root    0 May  4 20:56 capstone1
-rw-r--r--. 1 kishor kishor  0 May  4 17:13 exam.txt
-rwxrwxr--. 1 suman suman    0 May  4 16:05 myfile.txt
drwxrwxrwx. 2 root  root    6 May  4 20:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
-rw-rw-rw-. 1 root  root    0 May  4 17:04 test_file.txt
[root@localhost ~]# groups kishor
kishor : kishor capstone
[root@localhost ~]# ls -ld /home/kishor
drwx-----. 2 kishor kishor 62 May  4 16:09 /home/kishor
[root@localhost ~]# touch capstone2
[root@localhost ~]# ls -l
total 4
-rw-----. 1 root  root  1273 May  4 10:19 anaconda-ks.cfg
-rwxrwxr--. 1 root  root    0 May  4 20:50 capstone
-rwxrwxrwx. 1 root  root    0 May  4 20:56 capstone1
-rw-r--r--. 1 root  root    0 May  4 21:07 capstone2
-rw-r--r--. 1 kishor kishor  0 May  4 17:13 exam.txt
-rwxrwxr--. 1 suman suman    0 May  4 16:05 myfile.txt
drwxrwxrwx. 2 root  root    6 May  4 20:51 test1
dr-x--r-x. 2 root  root    6 May  4 17:03 test_dir
-rw-rw-rw-. 1 root  root    0 May  4 17:04 test_file.txt
[root@localhost ~]# _

```

❑ Here explain more permission and long list of file.

```
CentOS 7 64-bit (2) Windows Server 2016 (2)
-rw-rw-r-- 1 root root 0 May 4 20:50 capstone
-rw-rw-r-- 1 root root 0 May 4 20:56 capstone1
-rw-r--r-- 1 root root 0 May 4 21:07 capstone2
-rw-r--r-- 1 kishor kishor 0 May 4 17:13 exam.txt
-rw-rw-r-- 1 suman suman 0 May 4 16:05 myfile.txt
drwxrwxrwx 2 root root 6 May 4 20:51 test1
dr-x--r-x 2 root root 6 May 4 17:03 test_dir
-rw-rw-rw- 1 root root 0 May 4 17:04 test_file.txt
root@localhost ~# mkdir test1
mkdir: cannot create directory 'test1': File exists
root@localhost ~# mkdir test2
root@localhost ~# ls -l
total 4
-rw-rw-r-- 1 root root 1273 May 4 18:19 anaconda-ks.cfg
-rw-rw-r-- 1 root root 0 May 4 20:50 capstone
-rw-rw-r-- 1 root root 0 May 4 20:56 capstone1
-rw-r--r-- 1 root root 0 May 4 21:07 capstone2
-rw-r--r-- 1 kishor kishor 0 May 4 17:13 exam.txt
-rw-rw-r-- 1 suman suman 0 May 4 16:05 myfile.txt
drwxrwxrwx 2 root root 6 May 4 20:51 test1
drwxr-xr-x 2 root root 6 May 4 21:08 test2
dr-x--r-x 2 root root 6 May 4 17:03 test_dir
-rw-rw-rw- 1 root root 0 May 4 17:04 test_file.txt
root@localhost ~# chmod ug-rwx test2
root@localhost ~# ls -l
total 4
-rw-rw-r-- 1 root root 1273 May 4 18:19 anaconda-ks.cfg
-rw-rw-r-- 1 root root 0 May 4 20:50 capstone
-rw-rw-r-- 1 root root 0 May 4 20:56 capstone1
-rw-r--r-- 1 root root 0 May 4 21:07 capstone2
-rw-r--r-- 1 kishor kishor 0 May 4 17:13 exam.txt
-rw-rw-r-- 1 suman suman 0 May 4 16:05 myfile.txt
drwxr-xr-x 2 root root 6 May 4 21:08 test2
dr-x--r-x 2 root root 6 May 4 17:03 test_dir
-rw-rw-rw- 1 root root 0 May 4 17:04 test_file.txt
root@localhost ~#
```

Activate Windows  
Go to Settings to activate Windows.

❑ That's all.

```
CentOS 7 64-bit (2) Windows Server 2016 (2)
-rw-rw-r-- 1 root root 1273 May 4 18:19 anaconda-ks.cfg
-rw-rw-r-- 1 root root 0 May 4 20:50 capstone
-rw-rw-r-- 1 root root 0 May 4 20:56 capstone1
-rw-r--r-- 1 root root 0 May 4 21:07 capstone2
-rw-r--r-- 1 kishor kishor 0 May 4 17:13 exam.txt
-rw-rw-r-- 1 suman suman 0 May 4 16:05 myfile.txt
drwxrwxrwx 2 root root 6 May 4 20:51 test1
dr-x--r-x 2 root root 6 May 4 21:08 test2
dr-x--r-x 2 root root 6 May 4 17:03 test_dir
-rw-rw-rw- 1 root root 0 May 4 17:04 test_file.txt
root@localhost ~# chmod uga+rwx test2
root@localhost ~# ls -l
total 4
-rw-rw-r-- 1 root root 1273 May 4 18:19 anaconda-ks.cfg
-rw-rw-r-- 1 root root 0 May 4 20:50 capstone
-rw-rw-r-- 1 root root 0 May 4 20:56 capstone1
-rw-r--r-- 1 root root 0 May 4 21:07 capstone2
-rw-r--r-- 1 kishor kishor 0 May 4 17:13 exam.txt
-rw-rw-r-- 1 suman suman 0 May 4 16:05 myfile.txt
drwxrwxrwx 2 root root 6 May 4 20:51 test1
drwxrwxrwx 2 root root 6 May 4 21:08 test2
dr-x--r-x 2 root root 6 May 4 17:03 test_dir
-rw-rw-rw- 1 root root 0 May 4 17:04 test_file.txt
root@localhost ~# chmod 777 test2
root@localhost ~# ls -l
total 4
-rw-rw-r-- 1 root root 1273 May 4 18:19 anaconda-ks.cfg
-rw-rw-r-- 1 root root 0 May 4 20:50 capstone
-rw-rw-r-- 1 root root 0 May 4 20:56 capstone1
-rw-r--r-- 1 root root 0 May 4 21:07 capstone2
-rw-r--r-- 1 kishor kishor 0 May 4 17:13 exam.txt
-rw-rw-r-- 1 suman suman 0 May 4 16:05 myfile.txt
drwxrwxrwx 2 root root 6 May 4 20:51 test1
drwxrwxrwx 2 root root 6 May 4 21:08 test2
dr-x--r-x 2 root root 6 May 4 17:03 test_dir
-rw-rw-rw- 1 root root 0 May 4 17:04 test_file.txt
root@localhost ~#
```

Activate Windows  
Go to Settings to activate Windows.

A series of four parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

**Thank You**  
**Kishor Chandra Sahoo**