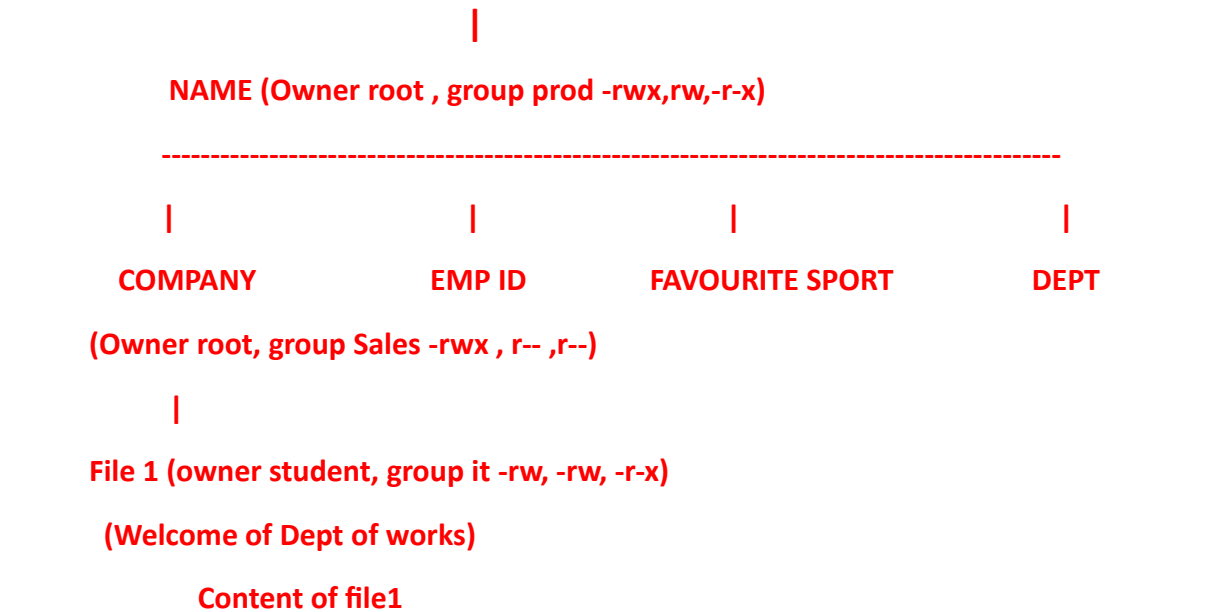


LINUX ASSIGNMENT

Q. 1. CREATE USER STUD, WITH PRIMARY GROUP PROD, SECONDARY GROUP SALES, SHELL KORN SHELL ?

2. CREATE THE FOLLOWING DIRECTORY STRUCTURE



Note : file1 is a file, rest all are directories.

ANSWER:

STEP - 1: OPEN THE LINUX OPERATING SYSTEM AND GO TO THE TERMINAL.

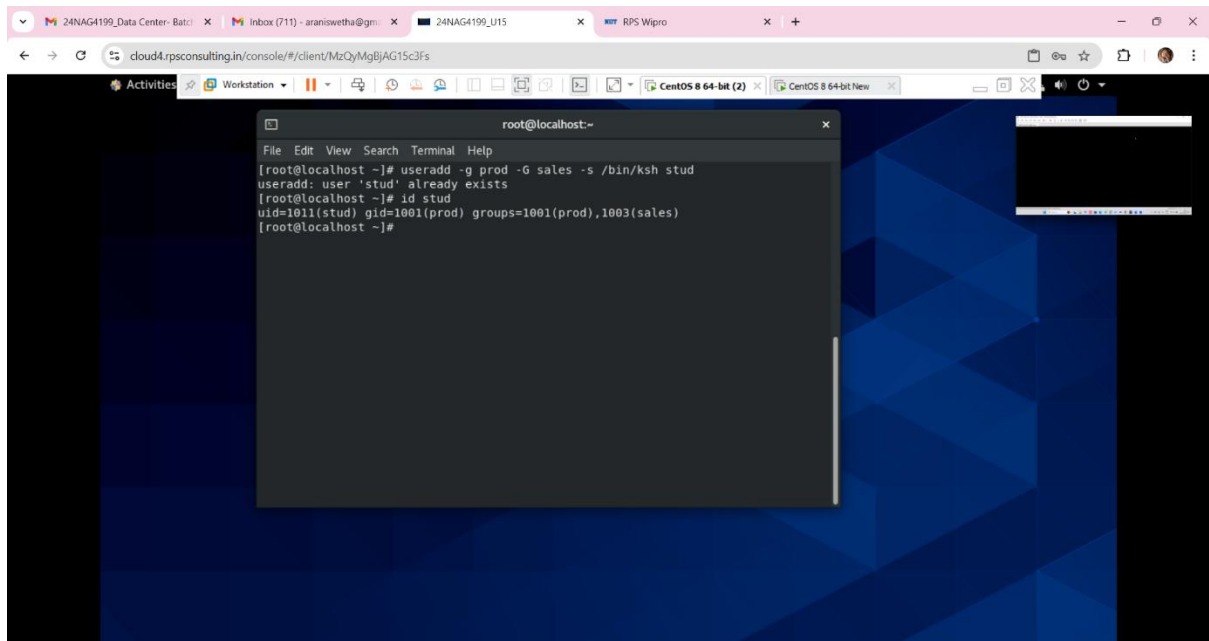
NOW, GIVE THE COMMAND AS

“Useradd -g prod -G sales -s /bin/ksh stud”

THIS COMMAND CREATES A USER NAMED “stud” WITH:

- 1.PRIMARY GROUP : Prod**
- 2.SECONDARY GROUP : Sales**
- 3.DEFAULT SHELL : /bin/ksh**
- 4.HOME DIRECTORY: /home/stud(created by -m option)**

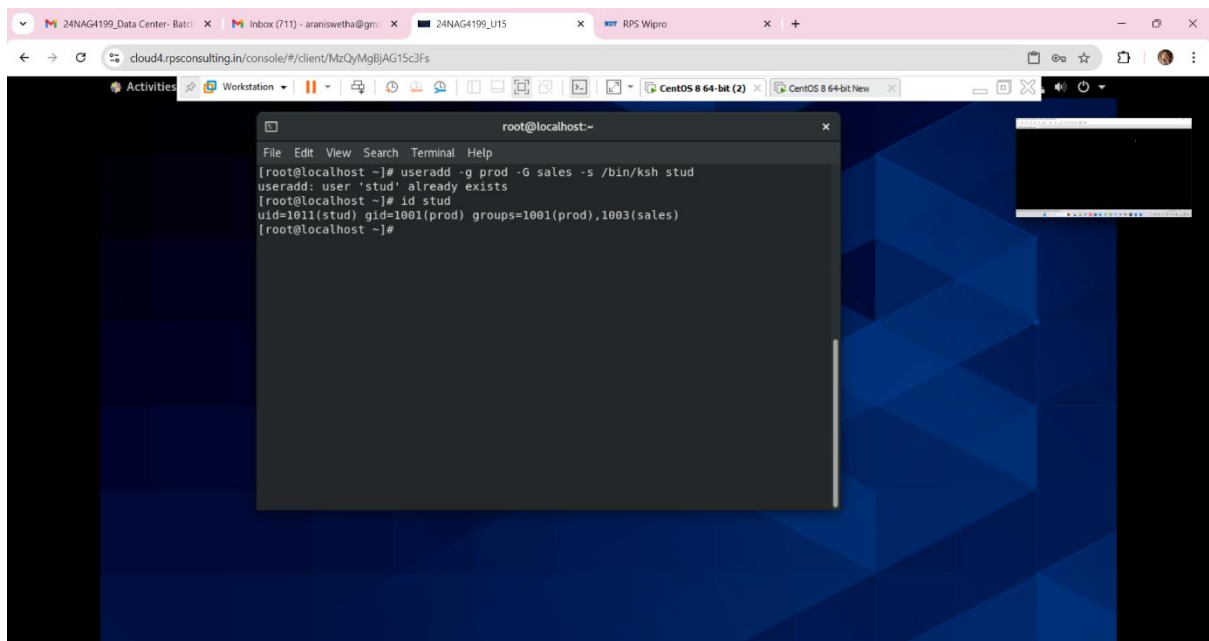
WIPRO ASSIGNMENT - 9



A screenshot of a terminal window titled 'root@localhost~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
[root@localhost ~]# useradd -g prod -G sales -s /bin/ksh stud
useradd: user 'stud' already exists
[root@localhost ~]# id stud
uid=1011(stud) gid=1001(prod) groups=1001(prod),1003(sales)
[root@localhost ~]#
```

NOW GIVE THE COMMAND AS “IP Stud”



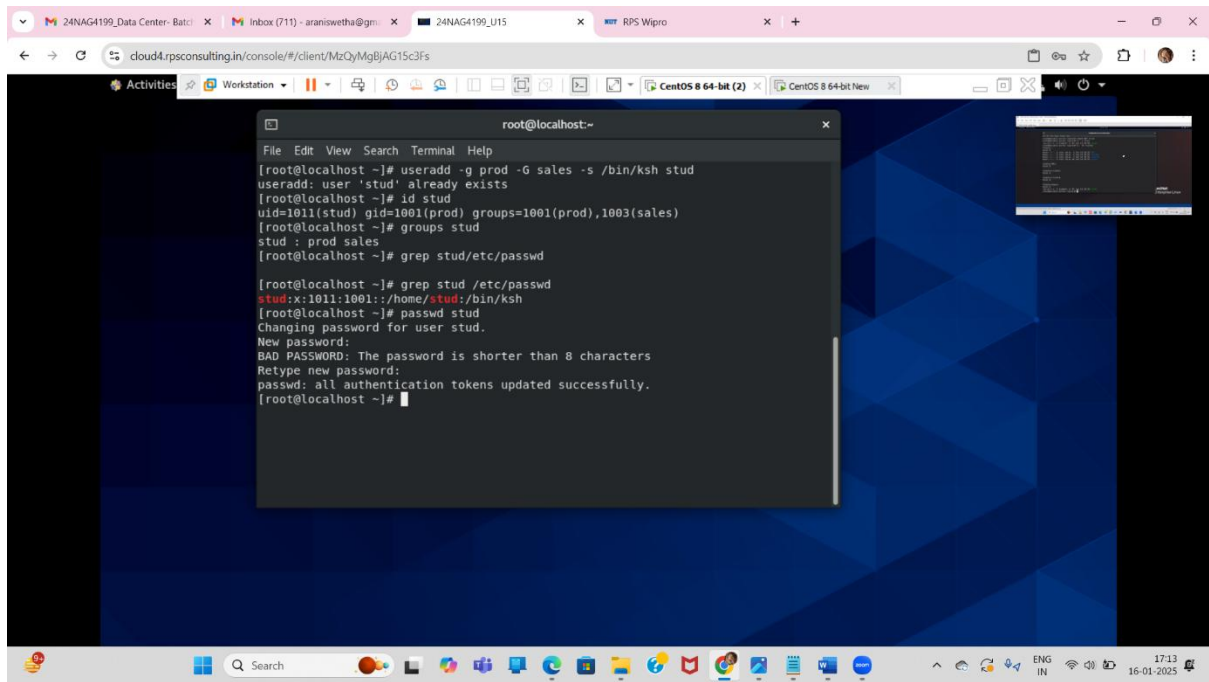
A screenshot of a terminal window titled 'root@localhost~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
[root@localhost ~]# useradd -g prod -G sales -s /bin/ksh stud
useradd: user 'stud' already exists
[root@localhost ~]# id stud
uid=1011(stud) gid=1001(prod) groups=1001(prod),1003(sales)
[root@localhost ~]#
```

NOW, GIVE THE COMMAND AS “GROUPS stud”

THEN “grep Stud/etc/passwd”.

WIPRO ASSIGNMENT - 9

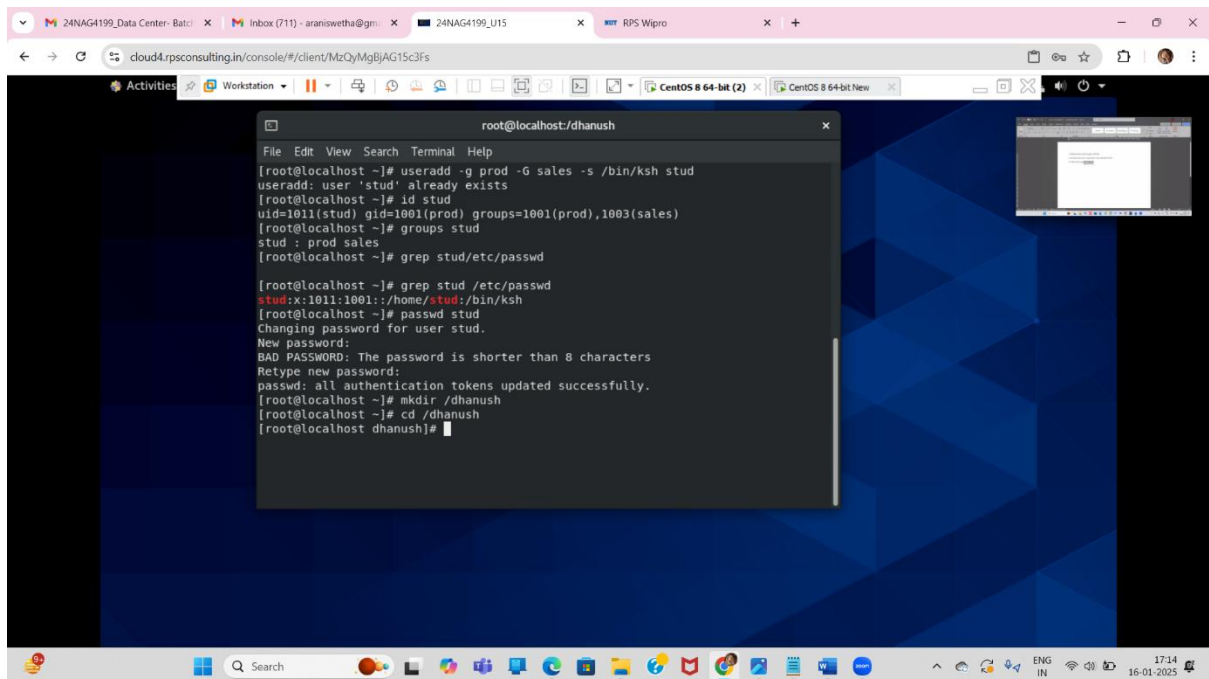


```
root@localhost:~# useradd -g prod -G sales -s /bin/ksh stud
useradd: user 'stud' already exists
[root@localhost ~]# id stud
uid=1011(stud) gid=1001(prod) groups=1001(prod),1003(sales)
[root@localhost ~]# groups stud
stud : prod sales
[root@localhost ~]# grep stud/etc/passwd

[root@localhost ~]# grep stud /etc/passwd
stud:x:1011:1001::/home/stud:/bin/ksh
[root@localhost ~]# passwd stud
Changing password for user stud.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]#
```

→passwd stud

THEN SET PASSWORD.



```
root@localhost/dhanush
File Edit View Search Terminal Help
[root@localhost ~]# useradd -g prod -G sales -s /bin/ksh stud
useradd: user 'stud' already exists
[root@localhost ~]# id stud
uid=1011(stud) gid=1001(prod) groups=1001(prod),1003(sales)
[root@localhost ~]# groups stud
stud : prod sales
[root@localhost ~]# grep stud/etc/passwd

[root@localhost ~]# grep stud /etc/passwd
stud:x:1011:1001::/home/stud:/bin/ksh
[root@localhost ~]# passwd stud
Changing password for user stud.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# mkdir /dhanush
[root@localhost ~]# cd /dhanush
[root@localhost dhanush]#
```

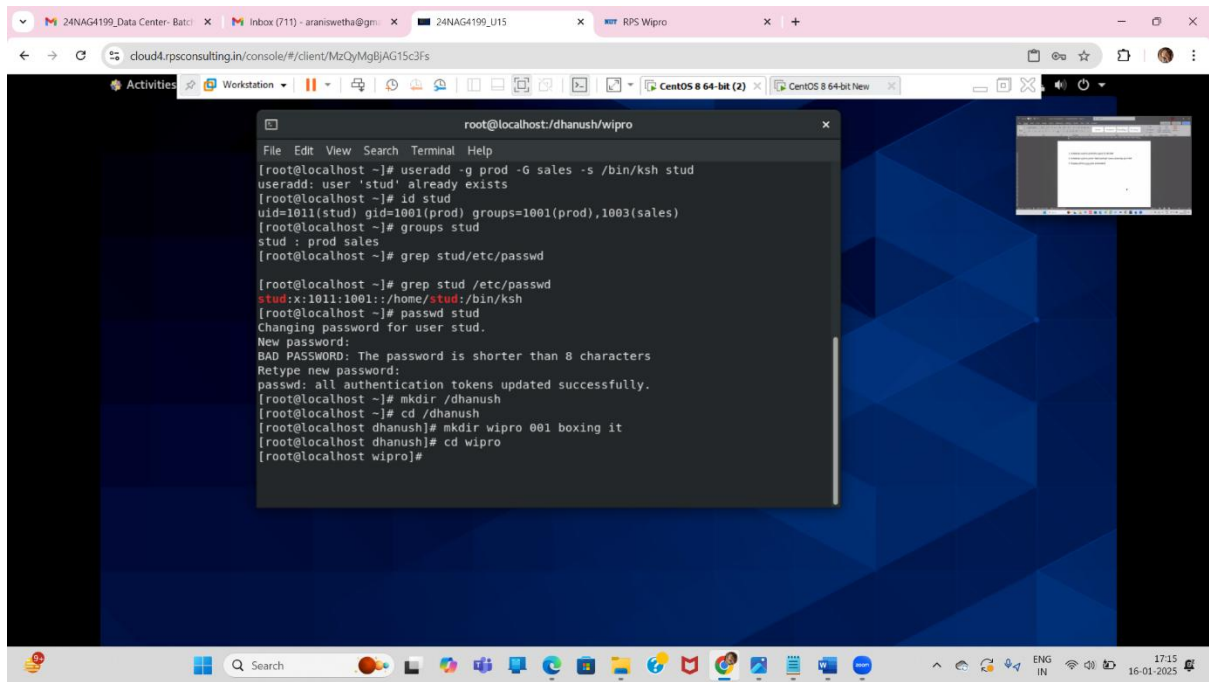
mkdir /Dhanush

cd /Dhanush

mkdir wipro 001 boxing it.

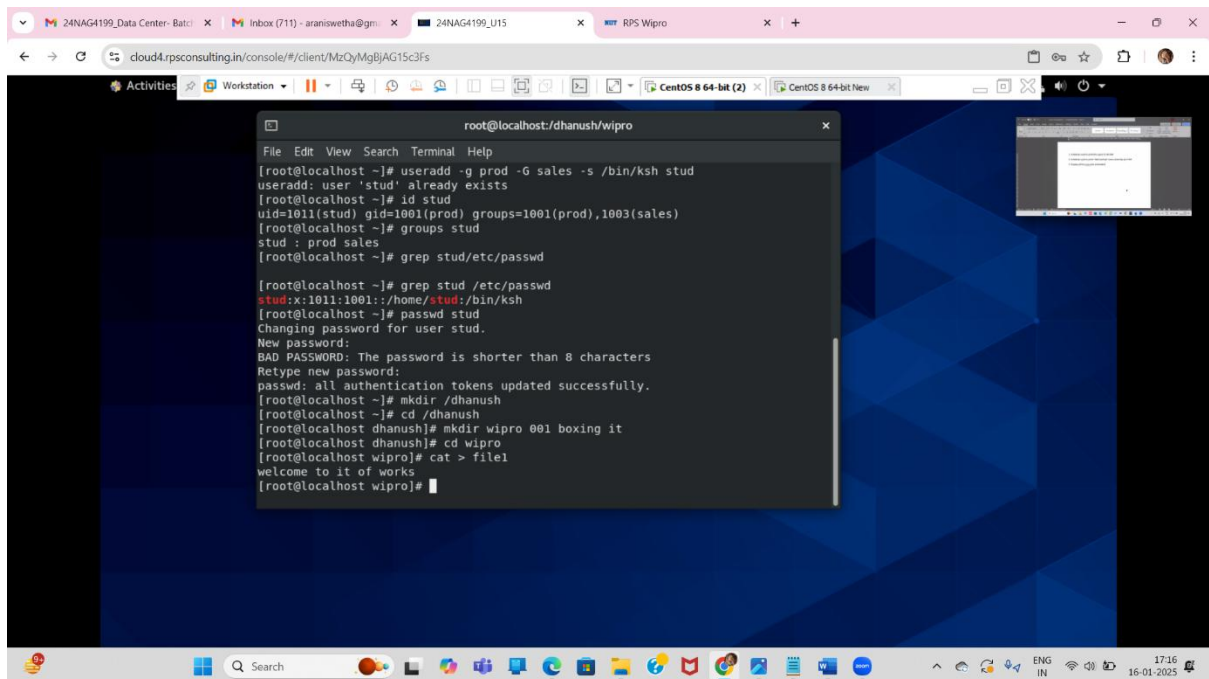
Cd wipro.

WIPRO ASSIGNMENT - 9



```
root@localhost:~# useradd -g prod -G sales -s /bin/ksh stud
useradd: user 'stud' already exists
[root@localhost ~]# id stud
uid=1011(stud) gid=1001(prod) groups=1001(prod),1003(sales)
[root@localhost ~]# groups stud
stud : prod sales
[root@localhost ~]# grep stud/etc/passwd

[root@localhost ~]# grep stud /etc/passwd
stud:x:1011:1001::/home/stud:/bin/ksh
[root@localhost ~]# passwd stud
Changing password for user stud.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# mkdir /dhanush
[root@localhost ~]# cd /dhanush
[root@localhost dhanush]# mkdir wipro 001 boxing it
[root@localhost dhanush]# cd wipro
[root@localhost wipro]#
```



```
root@localhost:~# useradd -g prod -G sales -s /bin/ksh stud
useradd: user 'stud' already exists
[root@localhost ~]# id stud
uid=1011(stud) gid=1001(prod) groups=1001(prod),1003(sales)
[root@localhost ~]# groups stud
stud : prod sales
[root@localhost ~]# grep stud/etc/passwd

[root@localhost ~]# grep stud /etc/passwd
stud:x:1011:1001::/home/stud:/bin/ksh
[root@localhost ~]# passwd stud
Changing password for user stud.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# mkdir /dhanush
[root@localhost ~]# cd /dhanush
[root@localhost dhanush]# mkdir wipro 001 boxing it
[root@localhost dhanush]# cd wipro
[root@localhost wipro]# cat > file1
welcome to it of works
[root@localhost wipro]#
```

Cat > file1

Welcome to it of works.

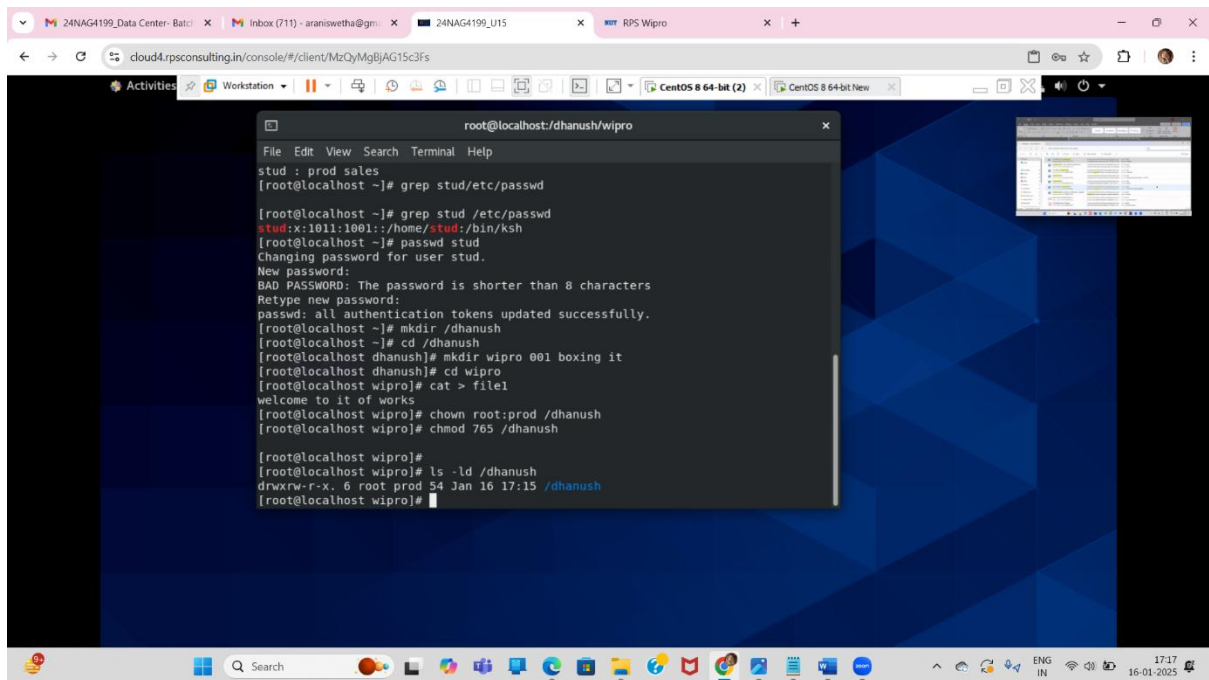
Press ctrl+d.

Chown root:prod /Dhanush

Chown 765 /Dhanush

Ls -ld /Dhanush

WIPRO ASSIGNMENT - 9



```
root@localhost:~# grep stud/etc/passwd
stud:x:1011:1001::/home/stud:/bin/ksh
[root@localhost ~]# passwd stud
Changing password for user stud.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# mkdir /dhanush
[root@localhost ~]# cd /dhanush
[root@localhost dhanush]# mkdir wipro 001 boxing it
[root@localhost dhanush]# cd wipro
[root@localhost wipro]# cat > file1
welcome to it of works
[root@localhost wipro]# chown root:prod /dhanush
[root@localhost wipro]# chmod 765 /dhanush

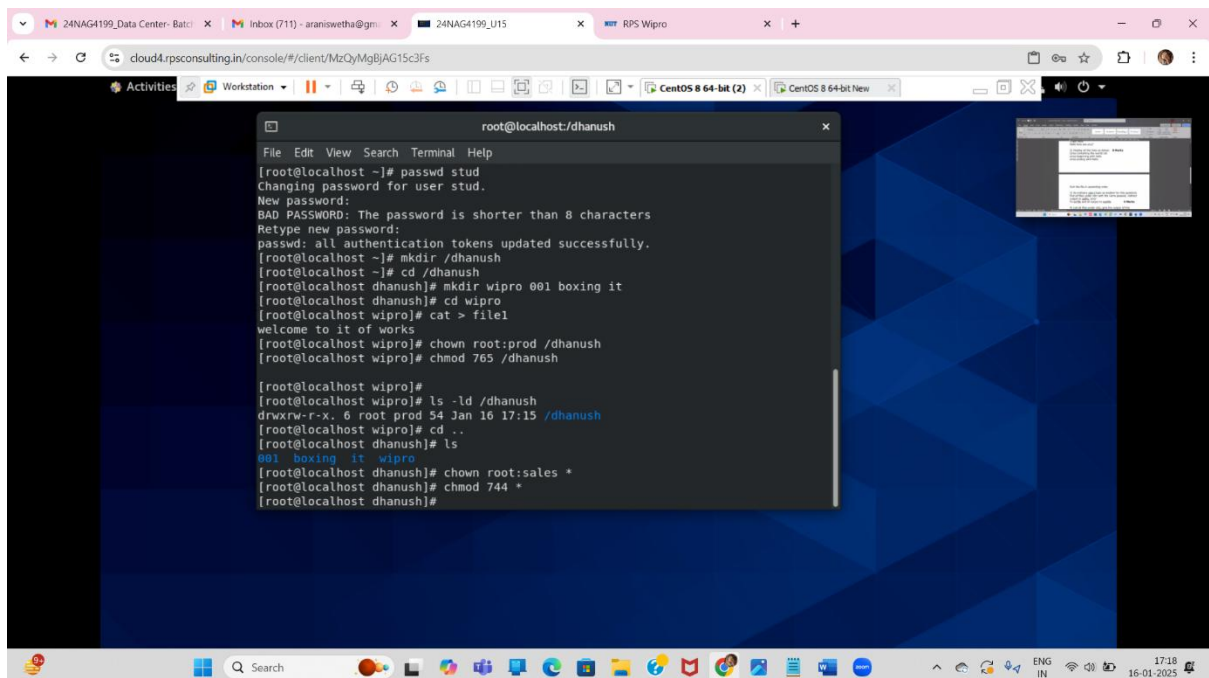
[root@localhost wipro]#
[root@localhost wipro]# ls -ld /dhanush
drwxr-xr-x. 6 root prod 54 Jan 16 17:15 /dhanush
[root@localhost wipro]#
```

cd..

ls

chown root : sales *

chmod 744 *



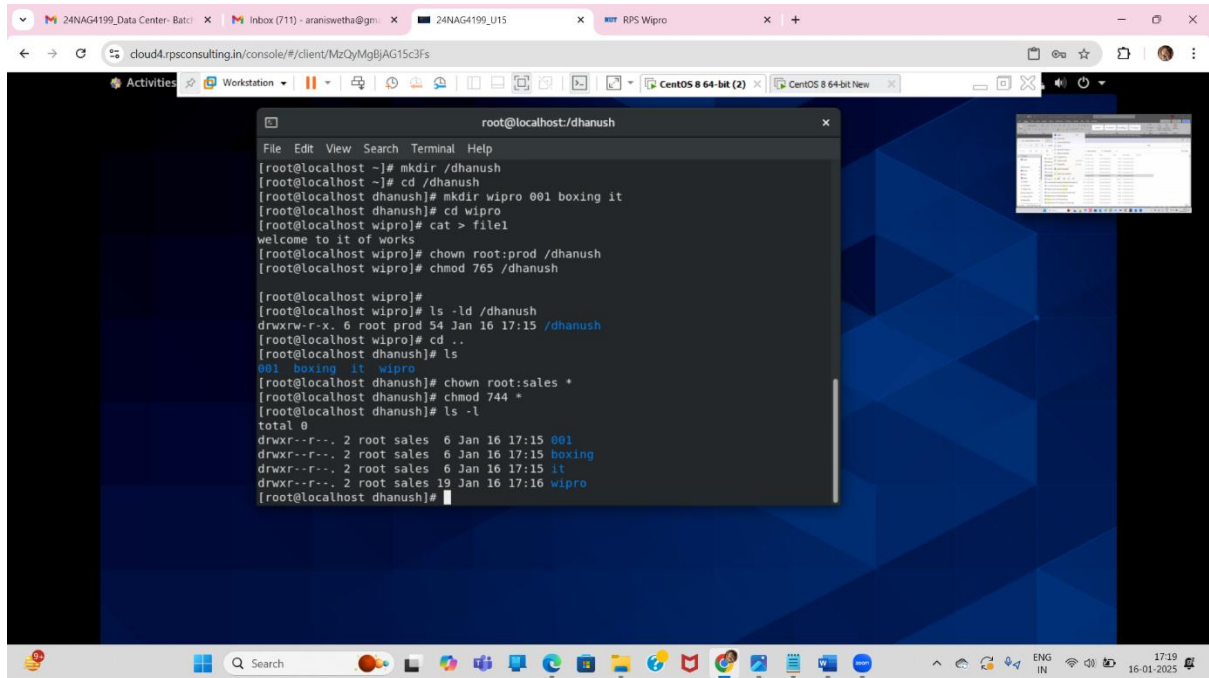
```
root@localhost:~# passwd stud
Changing password for user stud.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# mkdir /dhanush
[root@localhost ~]# cd /dhanush
[root@localhost dhanush]# mkdir wipro 001 boxing it
[root@localhost dhanush]# cd wipro
[root@localhost wipro]# cat > file1
welcome to it of works
[root@localhost wipro]# chown root:prod /dhanush
[root@localhost wipro]# chmod 765 /dhanush

[root@localhost wipro]#
[root@localhost wipro]# ls -ld /dhanush
drwxr-xr-x. 6 root prod 54 Jan 16 17:15 /dhanush
[root@localhost wipro]# cd ..
[root@localhost dhanush]# ls
001 boxing it wipro
[root@localhost dhanush]# chown root:sales *
[root@localhost dhanush]# chmod 744 *
[root@localhost dhanush]#
```

Ls -l

WIPRO ASSIGNMENT - 9

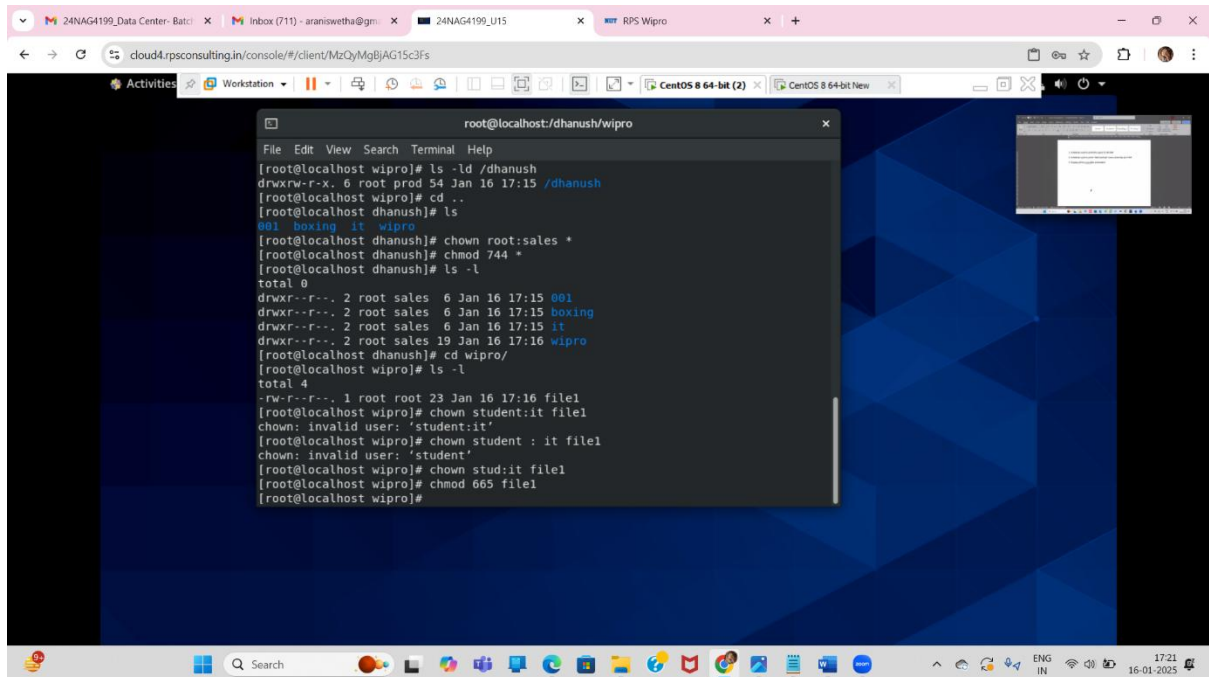
Follow as the below pictures.



The screenshot shows a terminal window titled 'root@localhost:/dhanush'. The user is performing the following commands:

```
root@localhost ~]# mkdir /dhanush
root@localhost ~]# cd /dhanush
root@localhost dhanush]# mkdir wipro 001 boxing it
root@localhost dhanush]# cd wipro
root@localhost wipro]# cat > file1
welcome to it of works
root@localhost wipro]# chown root:prod /dhanush
root@localhost wipro]# chmod 765 /dhanush

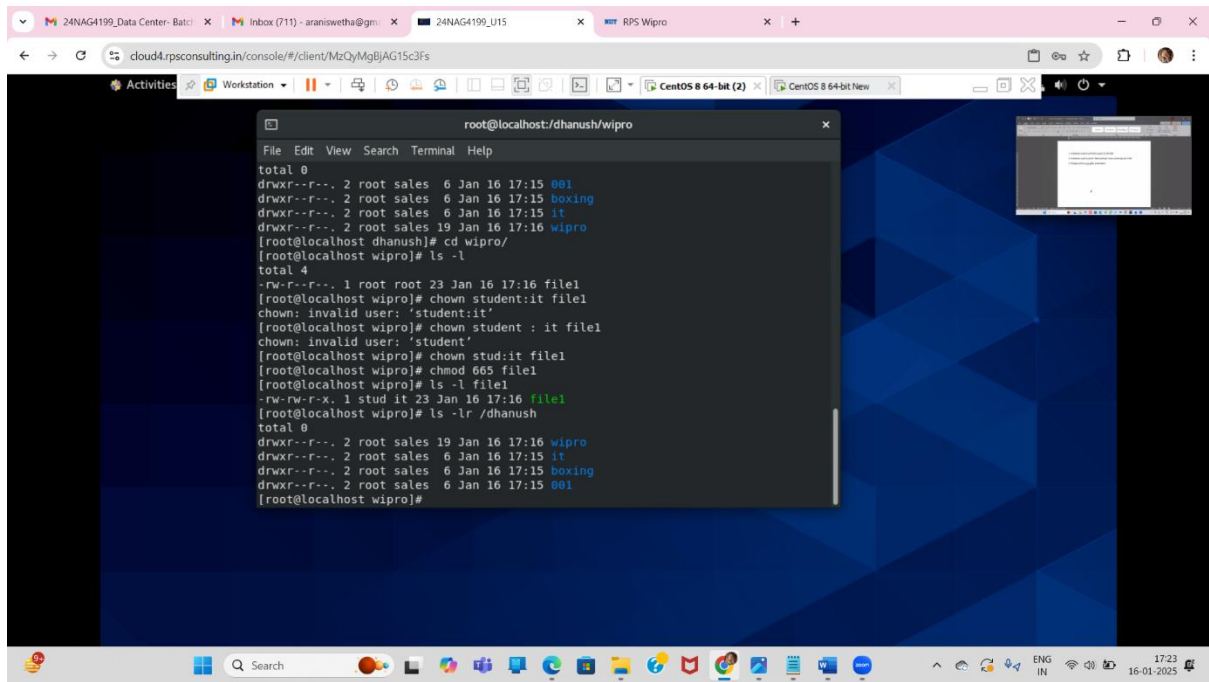
root@localhost wipro]#
root@localhost wipro]# ls -ld /dhanush
drwxr-xr-x. 6 root prod 54 Jan 16 17:15 /dhanush
root@localhost wipro]# cd ..
root@localhost dhanush]# ls
001 boxing it wipro
root@localhost dhanush]# chown root:sales *
root@localhost dhanush]# chmod 744 *
root@localhost dhanush]# ls -l
total 0
drwxr--r--. 2 root sales 6 Jan 16 17:15 001
drwxr--r--. 2 root sales 6 Jan 16 17:15 boxing
drwxr--r--. 2 root sales 6 Jan 16 17:15 it
drwxr--r--. 2 root sales 19 Jan 16 17:16 wipro
root@localhost dhanush]#
```



The screenshot shows the terminal window continuing from the previous state. The user is performing the following commands:

```
root@localhost dhanush]# ls -ld /dhanush
drwxr-xr-x. 6 root prod 54 Jan 16 17:15 /dhanush
root@localhost wipro]# cd ..
root@localhost dhanush]# ls
001 boxing it wipro
root@localhost dhanush]# chown root:sales *
root@localhost dhanush]# chmod 744 *
root@localhost dhanush]# ls -l
total 0
drwxr--r--. 2 root sales 6 Jan 16 17:15 001
drwxr--r--. 2 root sales 6 Jan 16 17:15 boxing
drwxr--r--. 2 root sales 6 Jan 16 17:15 it
drwxr--r--. 2 root sales 19 Jan 16 17:16 wipro
root@localhost dhanush]# cd wipro/
root@localhost wipro]# ls -l
total 4
-rw-r--r--. 1 root root 23 Jan 16 17:16 file1
root@localhost wipro]# chown student:it file1
chown: invalid user: 'student:it'
root@localhost wipro]# chown student : it file1
chown: invalid user: 'student'
root@localhost wipro]# chown stud:it file1
root@localhost wipro]# chmod 665 file1
root@localhost wipro]#
```


WIPRO ASSIGNMENT - 9



The screenshot shows a terminal window titled 'root@localhost:/dhanush/wipro'. The user is root. The terminal output shows the following commands and results:

```
total 0
drwxr--r--. 2 root sales  6 Jan 16 17:15 001
drwxr--r--. 2 root sales  6 Jan 16 17:15 boxing
drwxr--r--. 2 root sales  6 Jan 16 17:15 it
drwxr--r--. 2 root sales 19 Jan 16 17:16 wipro
[root@localhost dhanush]# cd wipro/
[root@localhost wipro]# ls -l
total 4
-rw-r--r--. 1 root root 23 Jan 16 17:16 file1
[root@localhost wipro]# chown student:it file1
chown: invalid user: 'student:it'
[root@localhost wipro]# chown student : it file1
chown: invalid user: 'student'
[root@localhost wipro]# chown stud:it file1
[root@localhost wipro]# chmod 665 file1
[root@localhost wipro]# ls -l file1
-rw-rw-r-x. 1 stud it 23 Jan 16 17:16 file1
[root@localhost wipro]# ls -lr /dhanush
total 0
drwxr--r--. 2 root sales 19 Jan 16 17:16 wipro
drwxr--r--. 2 root sales  6 Jan 16 17:15 it
drwxr--r--. 2 root sales  6 Jan 16 17:15 boxing
drwxr--r--. 2 root sales  6 Jan 16 17:15 001
[root@localhost wipro]#
```

The terminal window is open on a desktop environment with a blue geometric background. The desktop has a taskbar at the bottom with various application icons and a system tray on the right showing the date and time as 17:23 on 16-01-2025. The browser window at the top shows the URL 'cloud4.rpsconsulting.in/console/#/client/MzQyMgBjAG15c3fs'.