LIUNX AND SHELL SCRIPTING-LABORATORY

ASSIGNMENT – 1(G1)

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ROLL NO: RDOC09A55 **Course Code**: CAP454
Teacher: Pallavi Ma'am **Course Title**: Linux and Shell Scripting-Laboratory

Question-1: Move file1 from dir1 to dir2.

Firstly, we create a file using cat command and write somethings in the file.

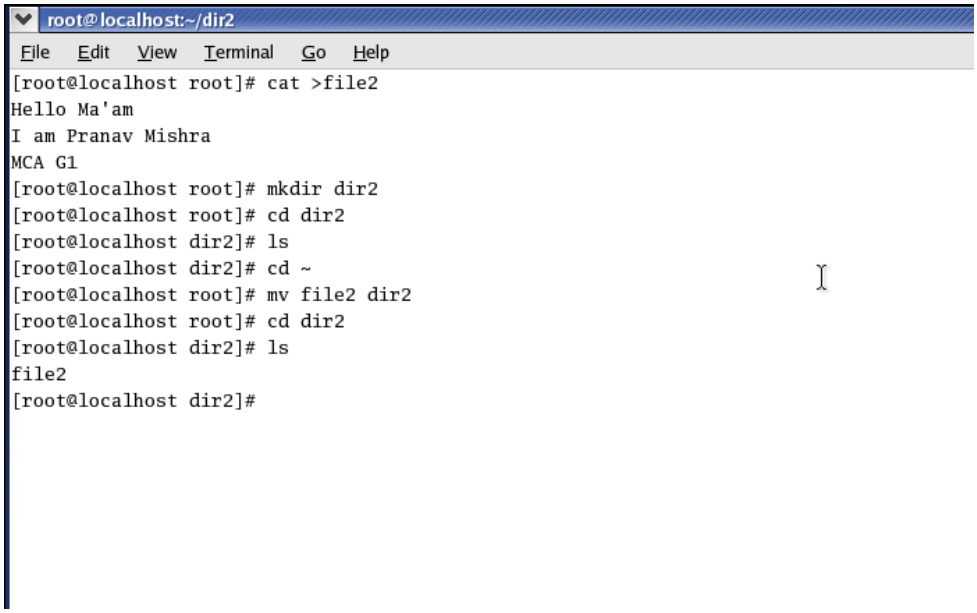
Syntax: cat > filename

Then we make a directory using mkdir command then change the directory to root into dir2.

Syntax: mkdir directory name

Then move the file into directory use the following command after use the mv command then use the ls command.

Syntax: mv filename directory name



Question-2: Replace a letter 'h' to 'a'.

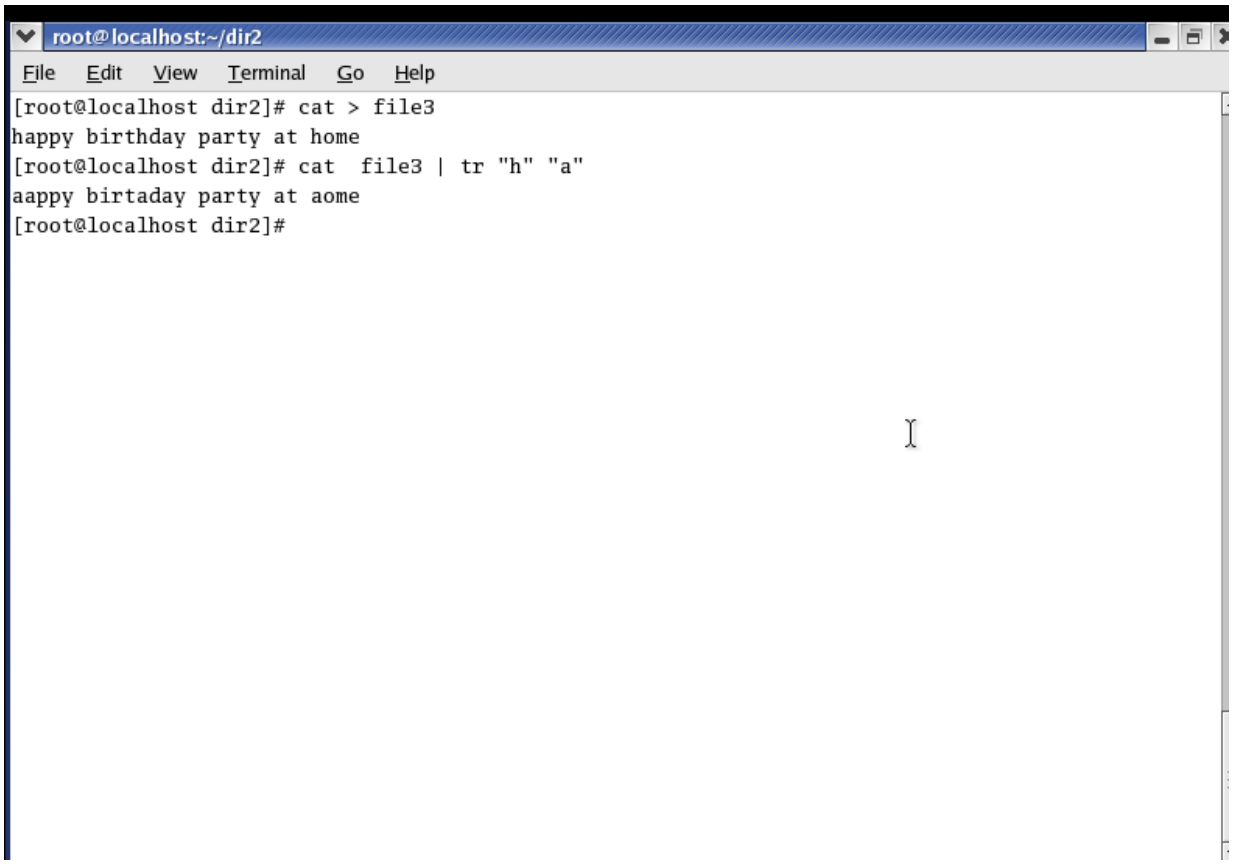
Firstly, we create a file using cat command and write

somethings in the file.

Syntax: cat > filename

Then use the following cat command to replace a letter ‘h’ to ‘a’.

Syntax: cat filename | tr “h” “a”



Question-3: Cut first 5 lines of file1 and paste it into file2.

Firstly, we create a file using cat command and write

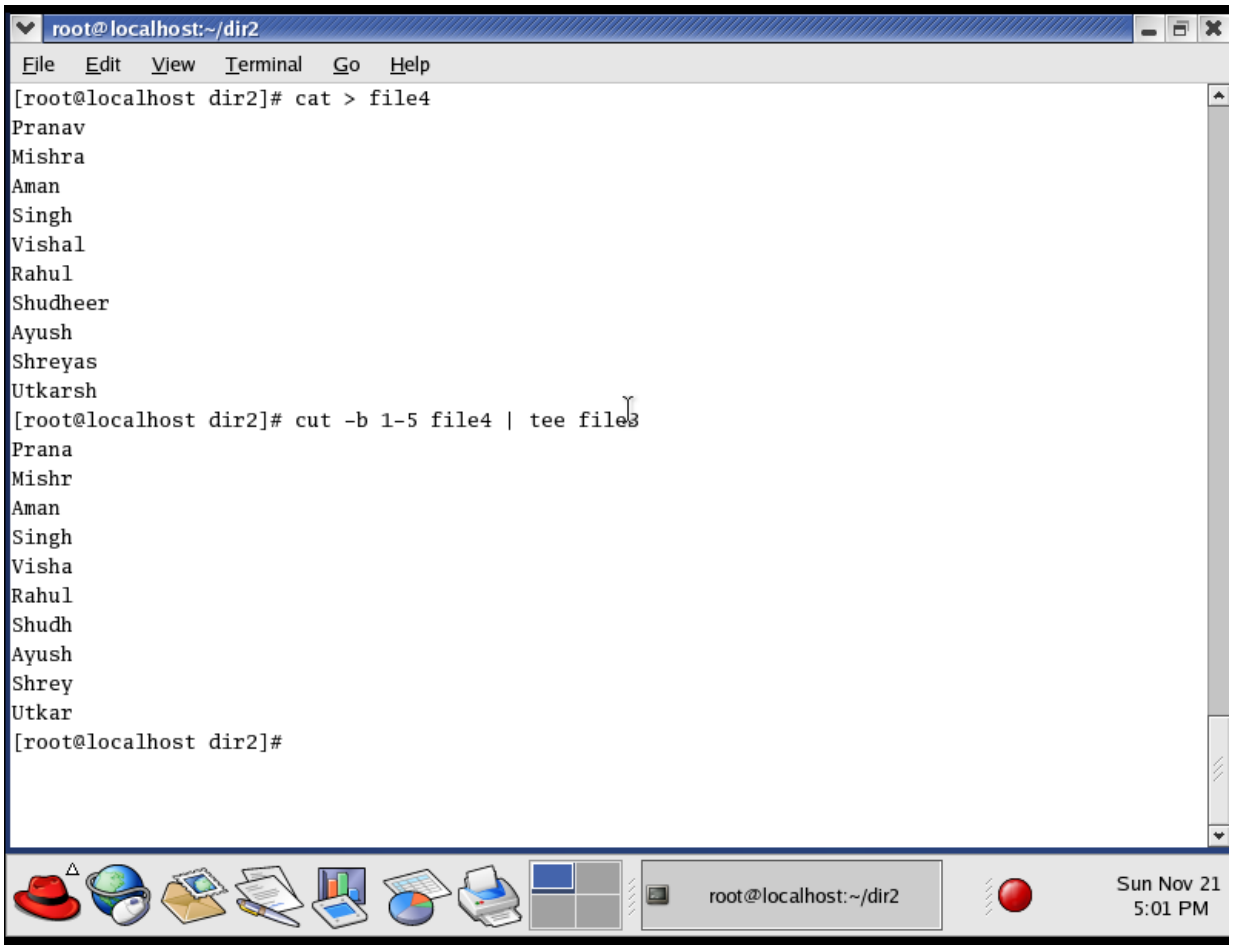
somethings in the file.

Syntax: cat>filename

Then use the following command Cut first 5 lines of file1 and

paste it into file2.

Syntax: cut -b 1 -5 First filename | tee Second filename



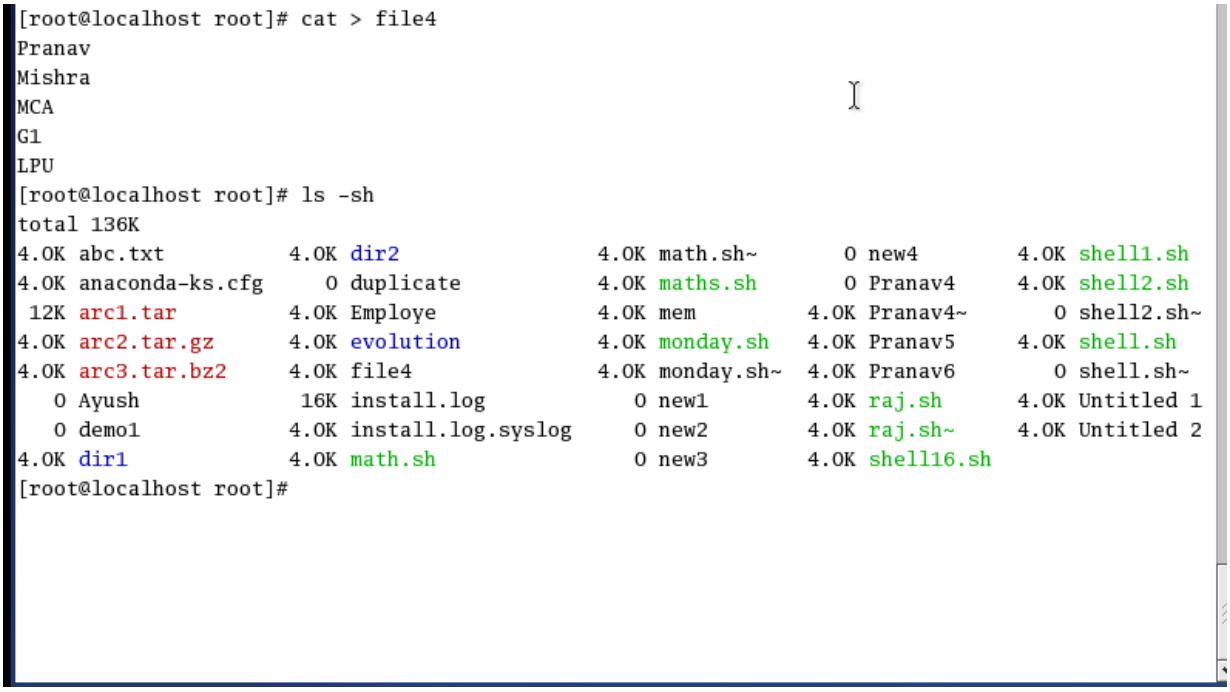
Question-4: Get size of a file1.

Firstly, we create a file using cat command and write somethings in the file.

Syntax: cat>filename

Then use the ls -sh command to get size of a file1.

Syntax: ls -sh



Question-5: Create a group and add one new user in it.

Firstly, we create a group using groupadd command and then

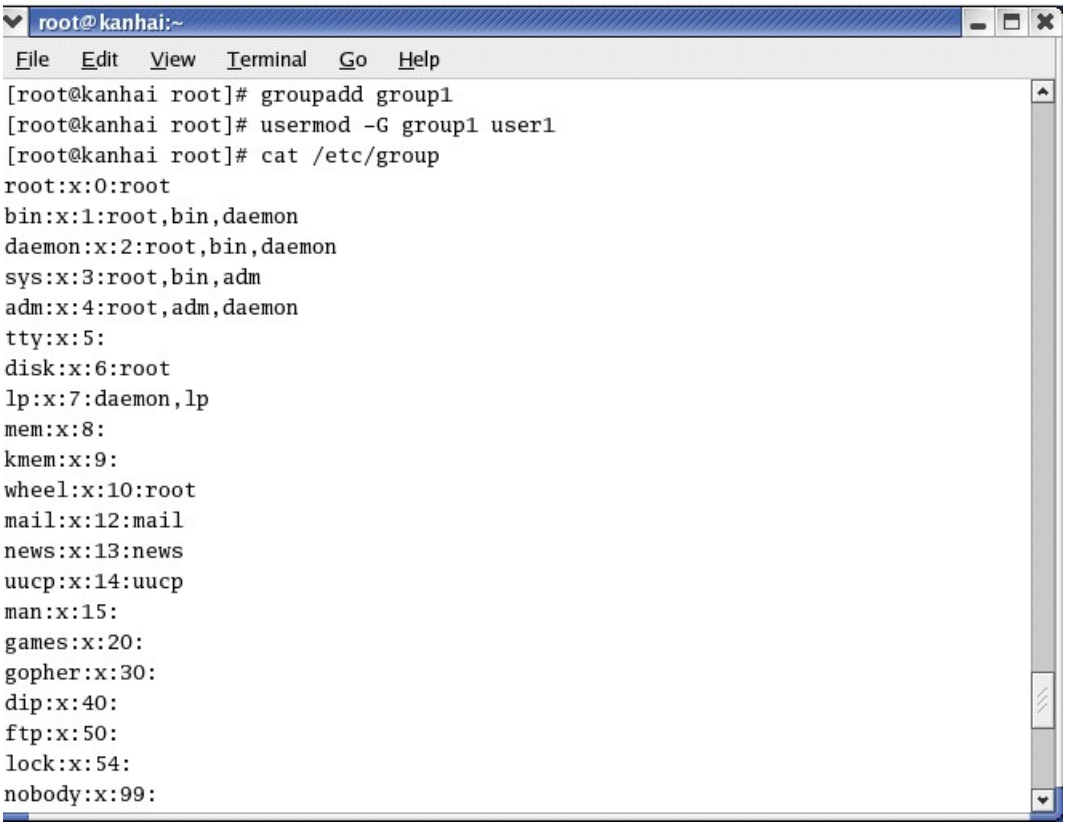
create a user then use the following command.

Syntax: groupadd group name (for create a group)

useradd user name (for create a user)

usermod -G group name user name

cat /etc/group (for check the user and group)

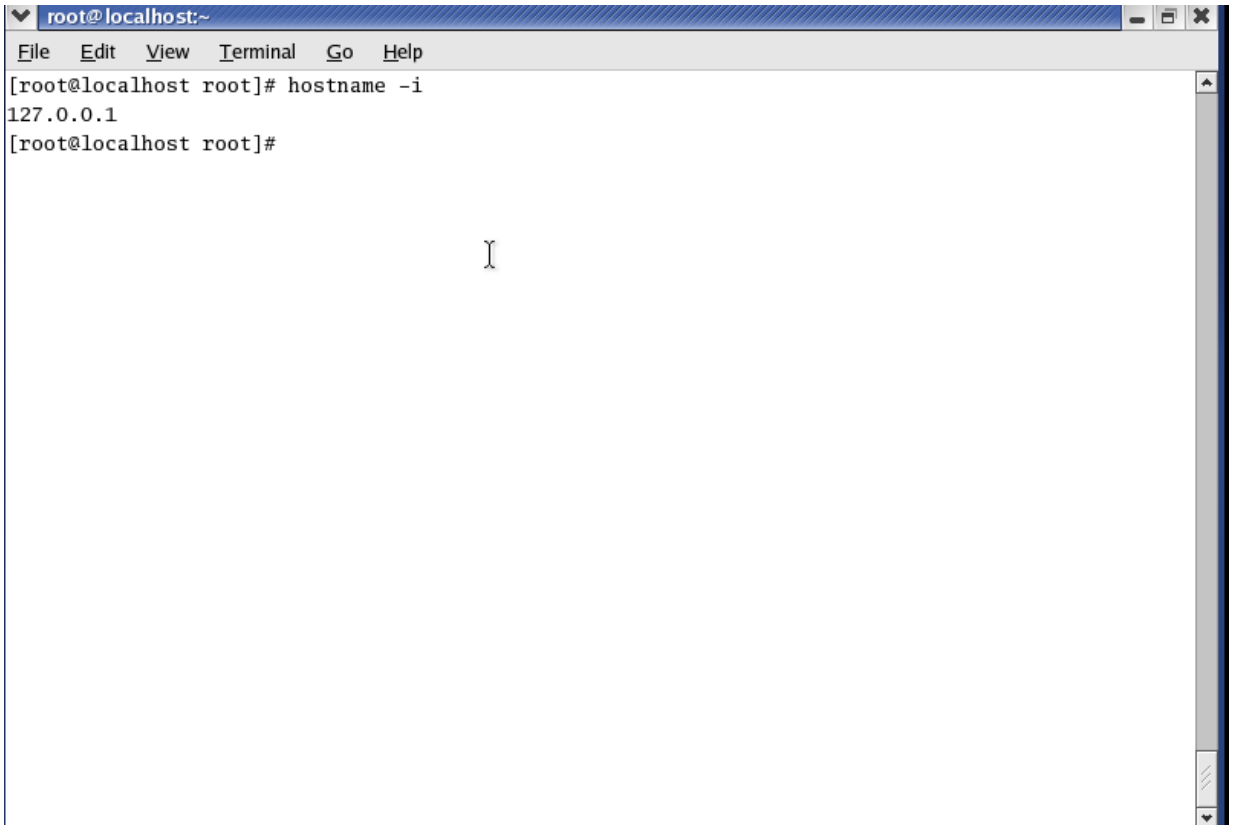


root@localhost:~
File Edit View Terminal Go Help
dip:x:40:
ftp:x:50:
lock:x:54:
nobody:x:99:
users:x:100:
rpm:x:37:
floppy:x:19:
vcsa:x:69:
utmp:x:22:
nscd:x:28:
slocate:x:21:
sshd:x:74:
rpc:x:32:
rpcuser:x:29:
nfsnobody:x:65534:
mailnull:x:47:
smmsp:x:51:
pcap:x:77:
xfs:x:43:
ntp:x:38:
gdm:x:42:
pranav:x:500:
group1:x:501:user1
user1:x:502:
group2:x:503:
Main Menu
alhost root]#

Question-6: Check the IP address of your machine.

To check the IP address of the machine, use the hostname -i command

Syntax: hostname -i



Question-7: Create a shortcut of dir1.

Firstly, we use the ls command to check all the file and directory

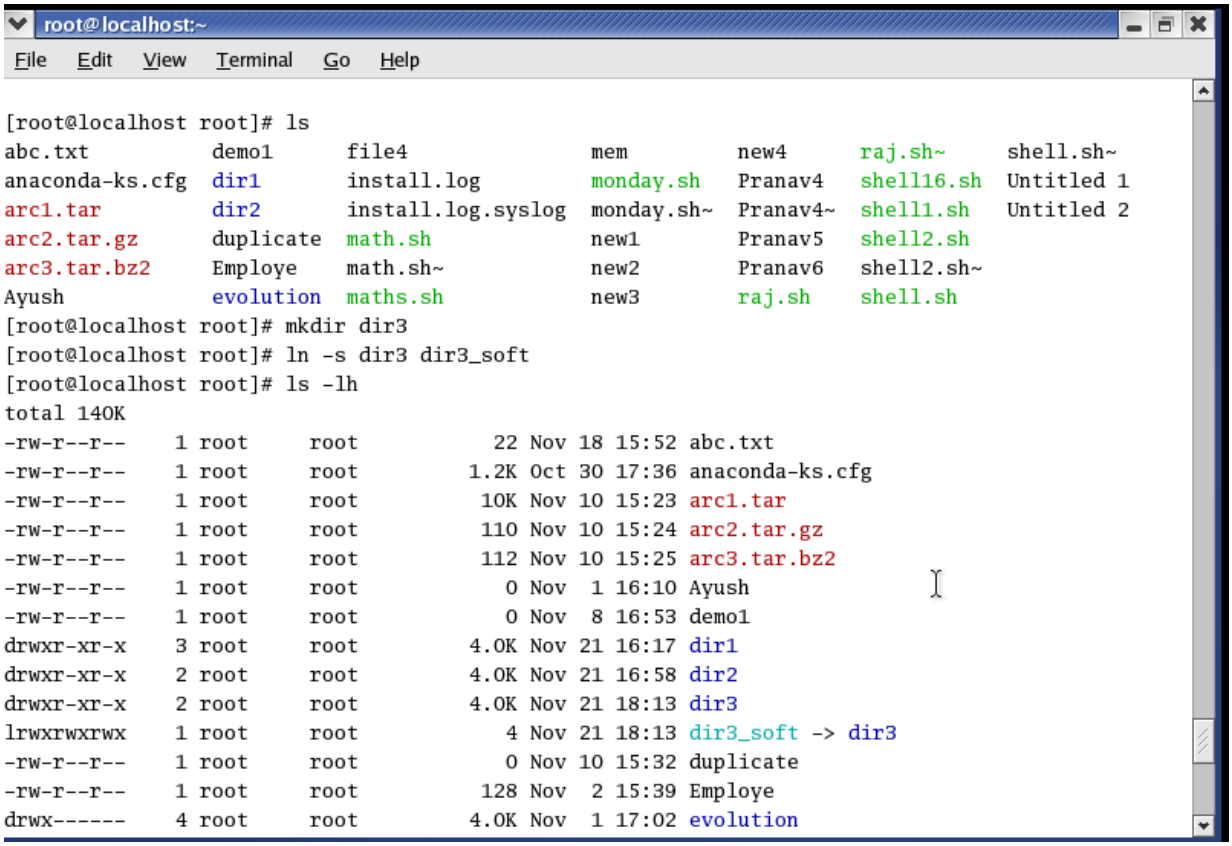
Syntax: ls

Then use mkdir to make a directory then use ln -s for create a shortcut of directory and then use the ls -lh to check the shortcut file.

Syntax: mkdir directory name (for make a directory)

ln -s dir3 dir3_soft

ls -ln



Question-8: Sort content of file1 and store in file2.

Firstly, we create a file using cat command and write

somethings in the file.

Syntax: cat > filename (for create a file)

Then use the sort command for sort the content of one file to another file.

Syntax: sort first filename | tee second filename

```
[root@localhost root]# cat > file6
Hello ma'am
I am Pranav Mishra
From DOCO9
MCA
[root@localhost root]# sort file6 | tee file5
From DOCO9
Hello ma'am
I am Pranav Mishra
MCA
```

Question-9: Change the default file permission of file2 to no execute permission to others.

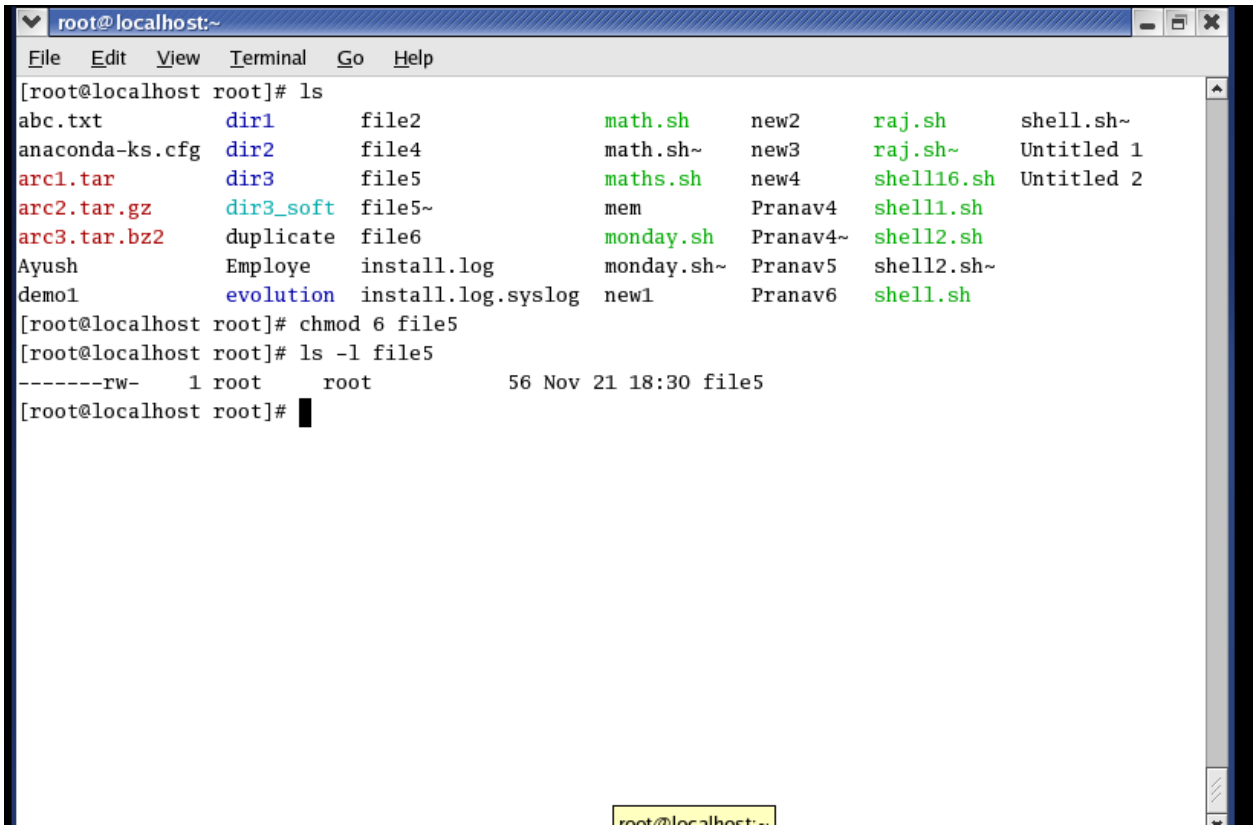
Firstly, we create a file using ls command to check all the file and directory.

Syntax: ls (for check all file and directory)

Then use the chmod command to change the default permission of any file and use the ls -l command to check the file permission.

Syntax: chmod 6 filename (for change the default permission of file)

ls -l filename (for check the permission of file)



Question-10: Write a command that will look for files with an extension "c", and has the occurrence of the string "apple" in it.

Firstly, we create a file using gedit command .c extension
and then use the find ./ -name “*.c” | xargs grep -I “apple”
for check the data of the fie.

Syntax: gedit filename with .c extension (for create .c extension)

find ./ -name “*.c” | xargs grep -I “apple”(for check the data of the file)