

**Name - kanhai kumar gupta**

**Reg no -12114442**

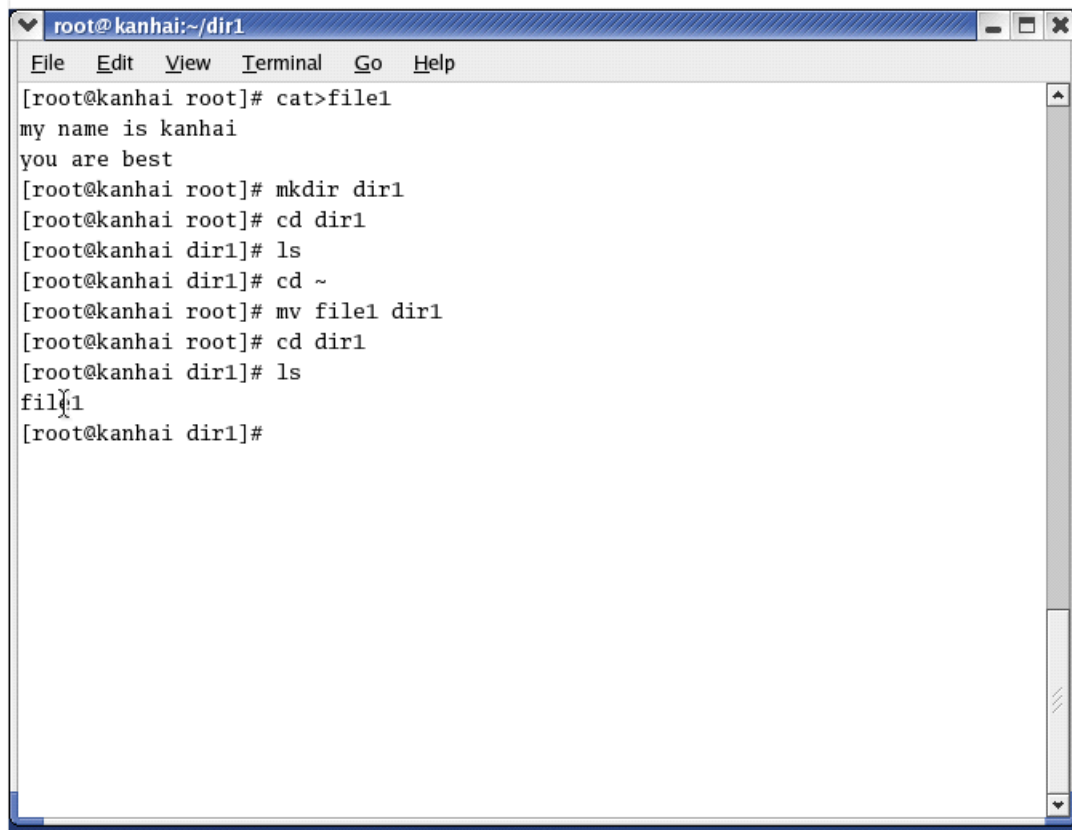
**Roll no- RDOC09A06**

**Programme - P164-NN1::MCA**

**Assignment no-01(cap454)**

**Q.1. Move file1 from dir1 to dir2.**

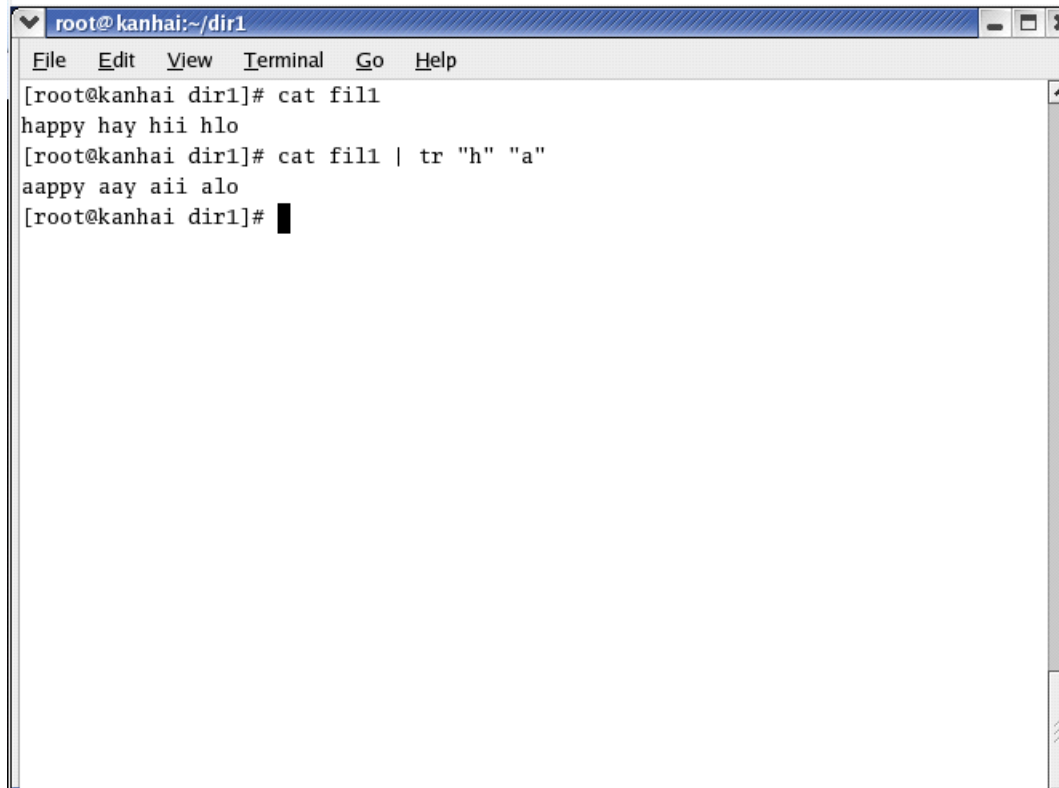
**Ans->**

A terminal window titled 'root@kanhai:~/dir1' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows a sequence of commands: 'cat >file1' followed by 'my name is kanhai' and 'you are best'; 'mkdir dir1'; 'cd dir1'; 'ls'; 'cd ~'; 'mv file1 dir1'; 'cd dir1'; 'ls' which outputs 'file1'.

```
root@kanhai:~/dir1
File Edit View Terminal Go Help
[root@kanhai root]# cat>file1
my name is kanhai
you are best
[root@kanhai root]# mkdir dir1
[root@kanhai root]# cd dir1
[root@kanhai dir1]# ls
[root@kanhai dir1]# cd ~
[root@kanhai root]# mv file1 dir1
[root@kanhai root]# cd dir1
[root@kanhai dir1]# ls
file1
[root@kanhai dir1]#
```

**Q.2. Replace a letter 'h' to 'a'.**

**Ans->**

A terminal window titled 'root@kanhai:~/dir1' with a menu bar containing 'File', 'Edit', 'View', 'Terminal', 'Go', and 'Help'. The terminal shows the following commands and output:

```
[root@kanhai dir1]# cat fil1
happy hay hii hlo
[root@kanhai dir1]# cat fil1 | tr "h" "a"
aappy aay aii alo
[root@kanhai dir1]#
```

**Q.3.Cut first 5 lines of file1 and paste it into file2.**

**Ans->**

```
root@kanhai:~  
File Edit View Terminal Go Help  
[root@kanhai root]# cat>file5  
muzaffarpur  
malighat  
sithamadhi  
mirjapur  
motipur  
delhi ncr  
gujrat  
patna  
mokama  
[root@kanhai root]# cut -b 1-5 file5 | tee file6  
muzaf  
malig  
sitha  
mirja  
motip  
delhi  
gujra  
patna  
mokam  
[root@kanhai root]#
```

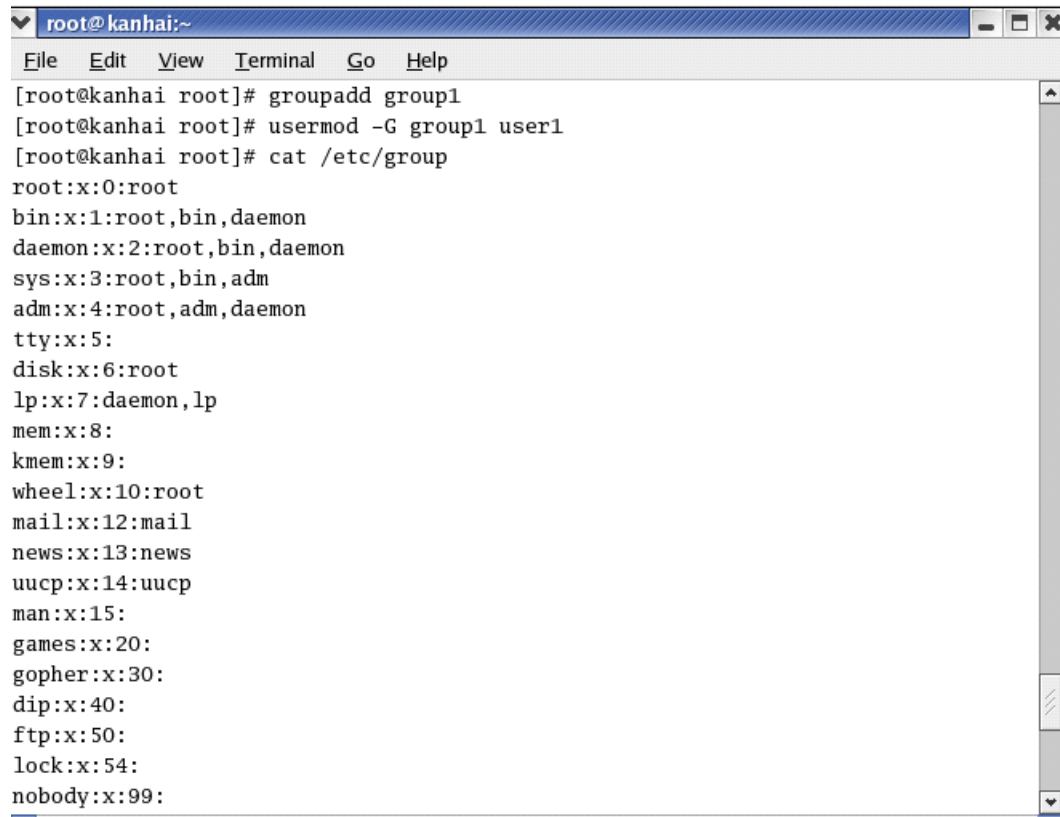
**Q.4. Get size of a file1.**

**Ans->**

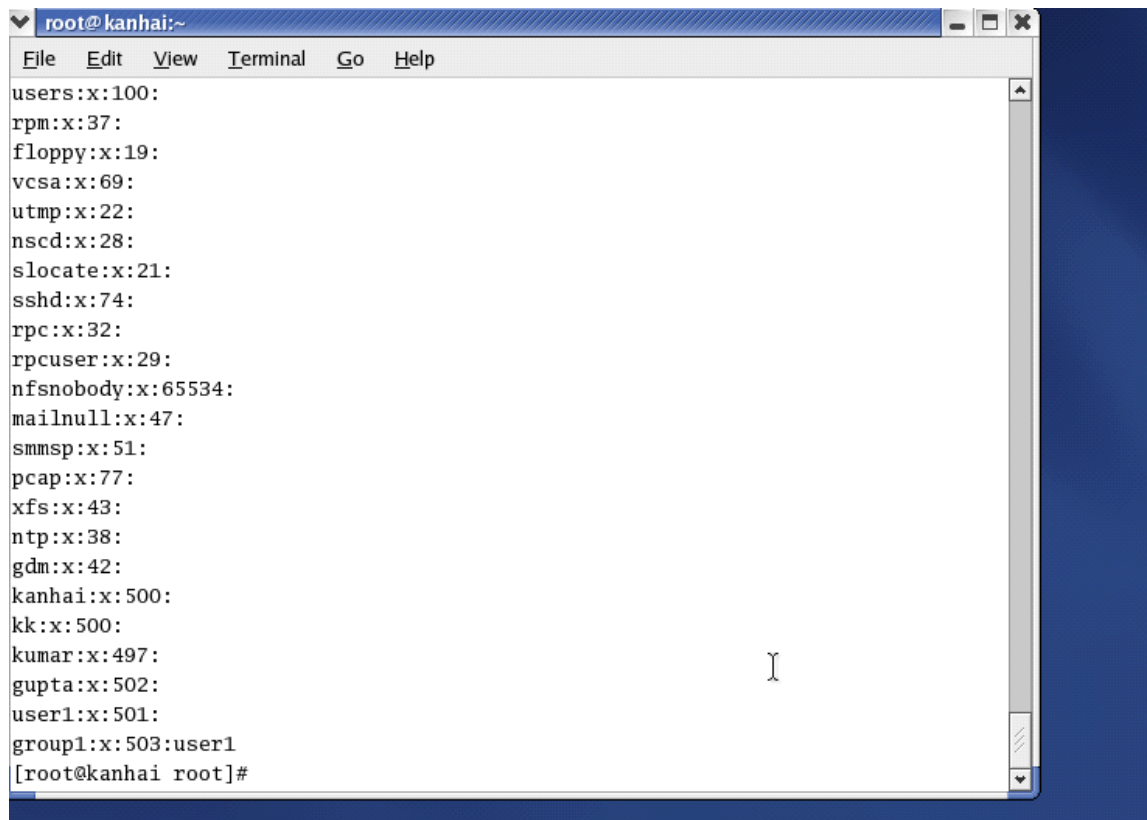
```
root@kanhai:~  
File Edit View Terminal Go Help  
[root@kanhai root]# cat>fil12  
kanhai  
kumar  
gupta  
[root@kanhai root]# ls -sh  
total 248K  
4.0K Anilji.txt      0 file11      4.0K gupta      80K Screenshot-1.png  
4.0K cutdemo        0 file11~     16K install.log 80K Screenshot.png  
4.0K demo1          4.0K file1.txt 4.0K install.log.syslog 0 shell5  
4.0K demo1~         4.0K file2.txt 4.0K kanhai     4.0K sum.c  
4.0K dir1           4.0K file3      0 new1        4.0K sum.c~  
    0 dir3           4.0K file3.txt  0 new15       4.0K sum.sh  
4.0K fil12          4.0K fileA      4.0K newfile    0 sum.sh~  
[root@kanhai root]#
```

**Q.5. Create a group and add one new user in it.**

**Ans->**

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

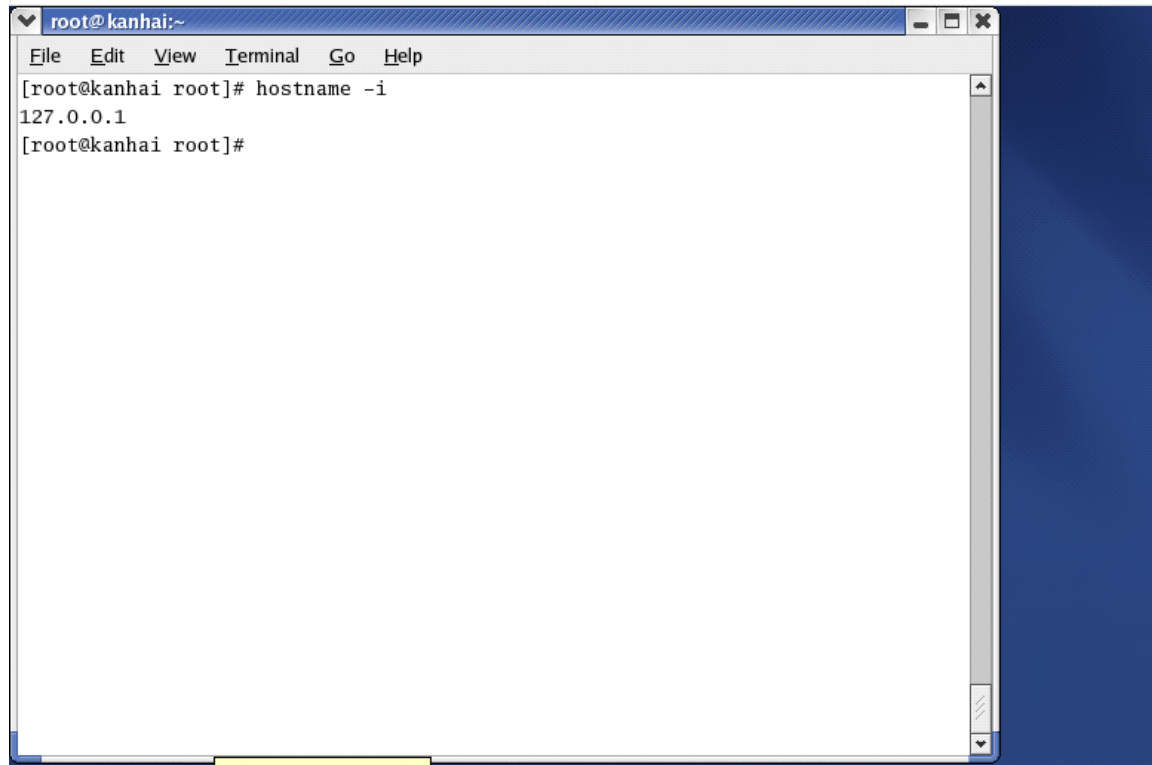
```
[root@kanhai root]# groupadd group1
[root@kanhai root]# usermod -G group1 user1
[root@kanhai root]# cat /etc/group
root:x:0:root
bin:x:1:root,bin,daemon
daemon:x:2:root,bin,daemon
sys:x:3:root,bin,adm
adm:x:4:root,adm,daemon
tty:x:5:
disk:x:6:root
lp:x:7:daemon,lp
mem:x:8:
kmem:x:9:
wheel:x:10:root
mail:x:12:mail
news:x:13:news
uucp:x:14:uucp
man:x:15:
games:x:20:
gopher:x:30:
dip:x:40:
ftp:x:50:
lock:x:54:
nobody:x:99:
```

A terminal window titled 'root@kanhai:~' with a menu bar containing 'File', 'Edit', 'View', 'Terminal', 'Go', and 'Help'. The terminal displays a list of system users and groups in a single column. The users listed are: users, rpm, floppy, vcsa, utmp, nscd, slocate, sshd, rpc, rpcuser, nfsnobody, mailnull, smmsp, pcap, xfs, ntp, gdm, kanhai, kk, kumar, gupta, user1, and group1. Each entry is followed by a colon and some numerical values. The prompt '[root@kanhai root]#' is visible at the bottom of the terminal. A vertical scrollbar is on the right side of the terminal window.

```
root@kanhai:~  
File Edit View Terminal Go Help  
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:  
kanhai:x:500:  
kk:x:500:  
kumar:x:497:  
gupta:x:502:  
user1:x:501:  
group1:x:503:user1  
[root@kanhai root]#
```

**Q.6. check the ip address of your machine.**

**Ans->**

A terminal window titled 'root@kanhai:~' with a menu bar containing 'File', 'Edit', 'View', 'Terminal', 'Go', and 'Help'. The terminal shows the command '[root@kanhai root]# hostname -i' being executed, followed by the output '127.0.0.1' and a new prompt '[root@kanhai root]#'. The window has standard Linux window controls (minimize, maximize, close) in the top right corner and a scroll bar on the right side.

```
root@kanhai:~  
File Edit View Terminal Go Help  
[root@kanhai root]# hostname -i  
127.0.0.1  
[root@kanhai root]#
```

**Q.7.Create a shortcut of dir1.**

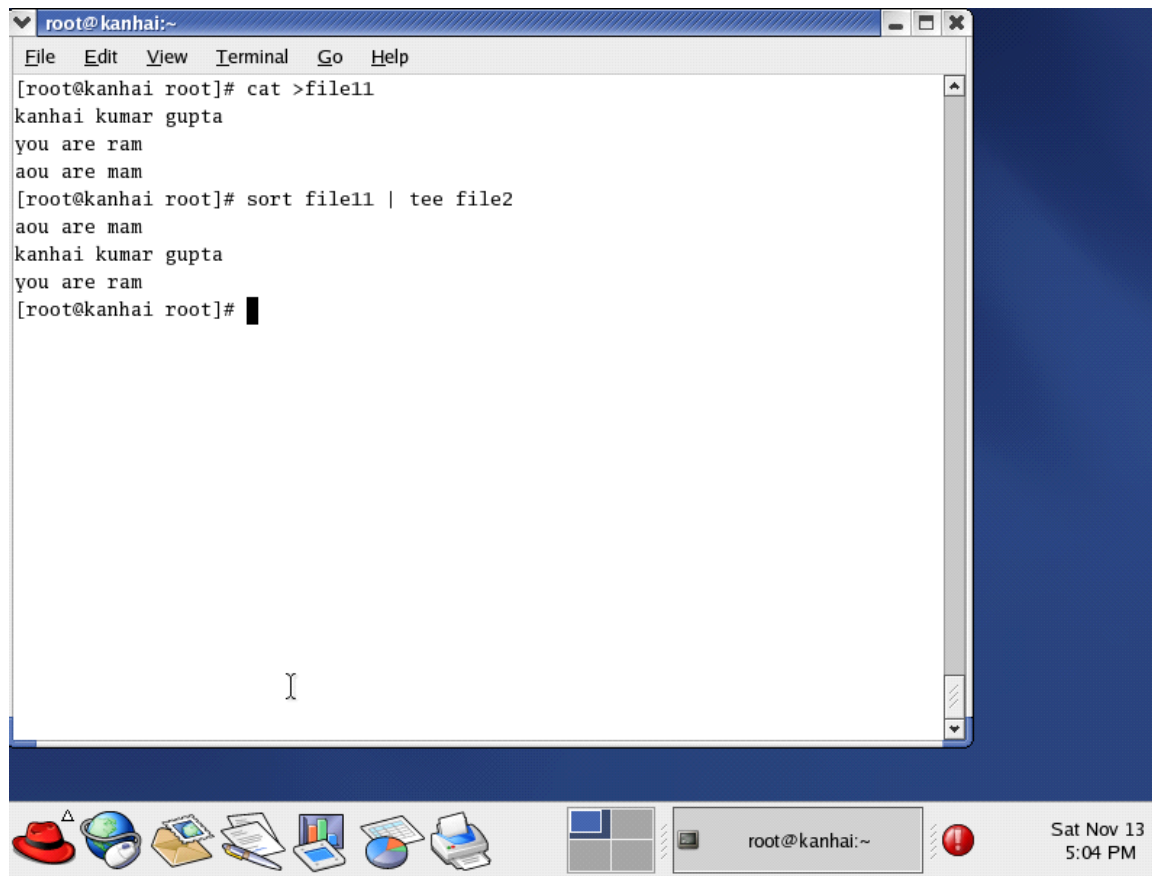
**Ans->**

```
root@kanhai:~  
File Edit View Terminal Go Help  
[root@kanhai root]# ls  
Anilji.txt      dir3      file3      kanhai      shell5  
cutdemo        fil12     file3.txt  new1        sum.c  
demo1          file11    fileA      new15       sum.c~  
demo1~         file11~   gupta      newfile     sum.sh  
demo1_softlink file1.txt  install.log Screenshot-1.png sum.sh~  
dir1           file2.txt install.log.syslog Screenshot.png  
[root@kanhai root]# mkdir dir2  
[root@kanhai root]# ln -s dir2 dir2_soft  
[root@kanhai root]# ls -lh  
total 252K  
-rw-r--r--  1 root    root      82 Nov  5 16:37 Anilji.txt  
-rw-r--r--  1 root    root      55 Nov  1 19:08 cutdemo  
-rw-r--r--  1 root    root      94 Nov  5 17:59 demo1  
-rw-r--r--  1 root    root      57 Nov  1 19:18 demo1~  
lrwxrwxrwx  1 root    root        5 Nov 13 16:52 demo1_softlink -> demo1  
drwxr-xr-x  2 root    root     4.0K Nov 13 16:19 dir1  
drwxr-xr-x  2 root    root     4.0K Nov 13 16:53 dir2  
lrwxrwxrwx  1 root    root        4 Nov 13 16:54 dir2_soft -> dir2  
-rw-r--r--  1 root    root        0 Oct 25 03:20 dir3  
-rw-r--r--  1 root    root      19 Nov 13 16:31 fil12  
-rw-r--r--  1 root    root        0 Nov 13 16:31 file11  
-rw-r--r--  1 root    root        0 Nov 13 16:23 file11~  
-rw-r--r--  1 root    root      15 Oct 24 21:23 file1.txt
```

**Q.8. Sort content of file1 and store in file2.**

**Ans->**





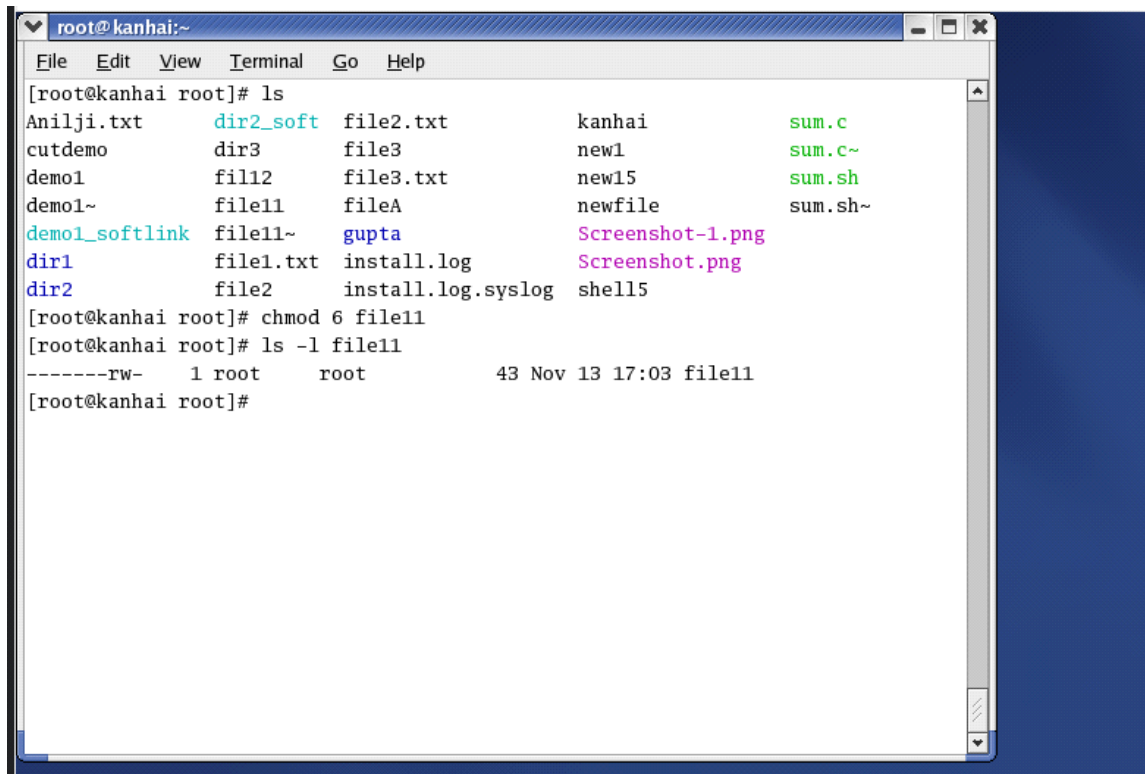
The screenshot shows a terminal window titled 'root@kanhai:~'. The terminal has a menu bar with 'File', 'Edit', 'View', 'Terminal', 'Go', and 'Help'. The command history shows the following sequence of commands and output:

```
[root@kanhai root]# cat >file11
kanhai kumar gupta
you are ram
aou are mam
[root@kanhai root]# sort file11 | tee file2
aou are mam
kanhai kumar gupta
you are ram
[root@kanhai root]#
```

The terminal window is part of a desktop environment with a taskbar at the bottom. The taskbar contains icons for a red hat, a globe, a folder, a notepad, a bar chart, a pie chart, and a printer. The system tray on the right shows the user 'root@kanhai:~', a red indicator light, and the date and time 'Sat Nov 13 5:04 PM'.

**Q.9.Change the default file permission of file2 to no execute permission to others.**

**Ans->**

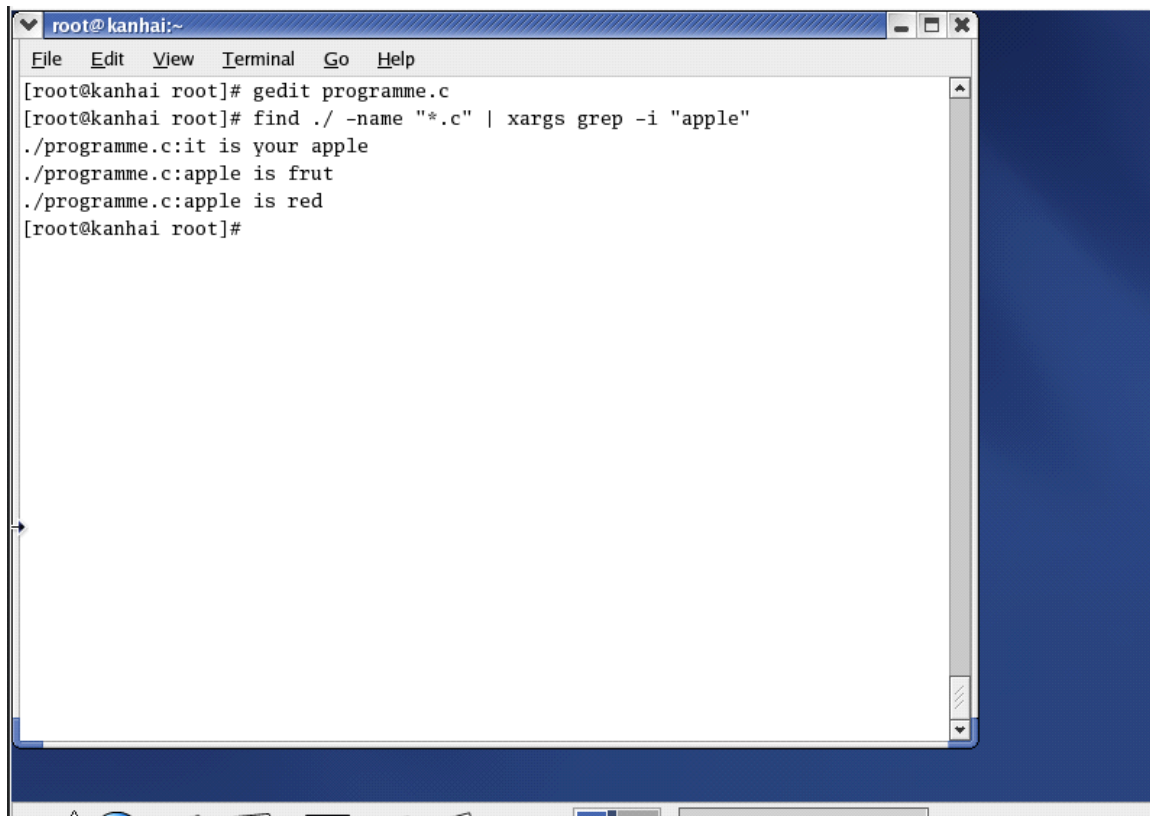
A terminal window titled 'root@kanhai:~' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows the output of 'ls' and 'ls -l file11' commands. The 'ls' command lists various files and directories with color-coded extensions. The 'ls -l file11' command shows the permissions, owner, group, size, date, and filename for 'file11'.

```
[root@kanhai root]# ls
Anilji.txt      dir2_soft  file2.txt      kanhai        sum.c
cutdemo         dir3       file3          new1          sum.c~
demo1           fill12    file3.txt      new15        sum.sh
demo1~          file11     fileA          newfile       sum.sh~
demo1_softlink  file11~    gupta         Screenshot-1.png
dir1            file1.txt  install.log    Screenshot.png
dir2            file2      install.log.syslog shell5

[root@kanhai root]# chmod 6 file11
[root@kanhai root]# ls -l file11
-----rw-  1 root   root      43 Nov 13 17:03 file11
[root@kanhai root]#
```

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

**Ans->**

A terminal window titled 'root@kanhai:~' with a menu bar (File, Edit, View, Terminal, Go, Help) and standard window controls. The terminal shows the execution of 'gedit programme.c' and a 'find' command with 'xargs grep' to search for 'apple' in C files. The output lists three lines from 'programme.c'.

```
root@kanhai:~  
File Edit View Terminal Go Help  
[root@kanhai root]# gedit programme.c  
[root@kanhai root]# find ./ -name "*.c" | xargs grep -i "apple"  
./programme.c:it is your apple  
./programme.c:apple is frut  
./programme.c:apple is red  
[root@kanhai root]#
```

