UNIX LAB BOOK SOLUTIONS:

1.1

```
atplab3_trg24@NDAUNIX:~

login as: atplab3_trg24
atplab3_trg24@10.51.103.212's password:

Last login: Tue Sep 3 14:09:09 2019 from din80000650.corp.capgemini.com

[atplab3_trg24@NDAUNIX ~]$
```

1.2

```
atplab3_trg24@NDAUNIX:~

login as: atplab3_trg24
atplab3_trg24@10.51.103.212's password:
Last login: Tue Sep 3 14:28:59 2019 from din80000650.corp.capgemini.com
[atplab3_trg24@NDAUNIX ~]$ exit
```

```
atplab3_trg24@NDAUNIX:~

login as: atplab3_trg24
atplab3_trg24@10.51.103.212's password:

Last login: Tue Sep 3 14:31:58 2019 from din80000650.corp.capgemini.com
[atplab3_trg24@NDAUNIX ~]$ pwd
/home/atplab3_trg24
[atplab3_trg24@NDAUNIX ~]$
```

```
atplab3_trg24@NDAUNIX:~/deepu

[atplab3_trg24@NDAUNIX ~]$ mkdir deepu
[atplab3_trg24@NDAUNIX ~]$ cd deepu
[atplab3_trg24@NDAUNIX deepu]$ pwd
/home/atplab3_trg24/deepu
[atplab3_trg24@NDAUNIX deepu]$
```

2.3

```
atplab3_trg24@NDAUNIX:~/deepu — X

[atplab3_trg24@NDAUNIX deepu]$ id -un
atplab3_trg24
[atplab3_trg24@NDAUNIX deepu]$
```

2.4

atplab3_trg24@NDAUNIX:~/deepu

```
[atplab3 trg24@NDAUNIX deepu]$ cat>fruits.txt
apple
banana
grapes
[atplab3 trg24@NDAUNIX deepu]$ 1s
fruits.txt
[atplab3 trg24@NDAUNIX deepu]$ cat>animals.txt
Dog
cat
[atplab3 trg24@NDAUNIX deepu]$ cat>things.txt
pen
pencil
pendrive
[atplab3 trg24@NDAUNIX deepu]$ 1s
animals.txt fruits.txt things.txt
[atplab3 trg24@NDAUNIX deepu]$ ls -a
  .. animals.txt fruits.txt things.txt
[atplab3 trg24@NDAUNIX deepu]$
```

atplab3_trg24@NDAUNIX:~/deepu

```
[atplab3_trg24@NDAUNIX deepu]$ ls -la
total 20
drwxrwxr-x 2 atplab3_trg24 atplab3_trg24 4096 Sep 3 14:53 .
drwxrw---- 5 atplab3_trg24 atplab3_trg24 4096 Sep 3 14:41 ..
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 12 Sep 3 14:53 animals.txt
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 20 Sep 3 14:52 fruits.txt
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 25 Sep 3 14:54 things.txt
[atplab3_trg24@NDAUNIX deepu]$
```

2.6

atplab3_trg24@NDAUNIX:~/deepu

```
[atplab3_trg24@NDAUNIX deepu]$ 1s -1
total 12
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 12 Sep 3 14:53 animals.txt
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 20 Sep 3 14:52 fruits.txt
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 25 Sep 3 14:54 things.txt
[atplab3_trg24@NDAUNIX deepu]$
```

atplab3_trg24@NDAUNIX:~/deepu

```
[atplab3_trg24@NDAUNIX deepu]$ cat > chap1.txt
1
2
3
4
5
[atplab3_trg24@NDAUNIX deepu]$ cat > chap2.txt
a
b
c
d
e
[atplab3_trg24@NDAUNIX deepu]$ cat > chapa.txt
la
2b
3c
4d
5e
[atplab3_trg24@NDAUNIX deepu]$ ls
animals.txt chap1 chap1.txt chap2.txt chapa.txt fruits.txt things.txt
[atplab3_trg24@NDAUNIX deepu]$ ls chap*
chap1 chap1.txt chap2.txt chapa.txt
[atplab3_trg24@NDAUNIX deepu]$ ls chap*
chap1 chap1.txt chap2.txt chapa.txt
[atplab3_trg24@NDAUNIX deepu]$ ]
```

2.8

```
[atplab3_trg24@NDAUNIX deepu]$ cd .
[atplab3_trg24@NDAUNIX ~]$ ls
deepu
[atplab3_trg24@NDAUNIX ~]$ mkdir c_prog
[atplab3_trg24@NDAUNIX ~]$ ls
c_prog deepu
[atplab3_trg24@NDAUNIX ~]$ pwd
/home/atplab3_trg24
[atplab3_trg24@NDAUNIX ~]$ clear
```

```
[atplab3_trg24@NDAUNIX ~]$ mkdir newdir
[atplab3_trg24@NDAUNIX ~]$ mkdir newdirectory
[atplab3_trg24@NDAUNIX ~]$ ls
c_prog deepu newdir newdirectory
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ ls -R
.:
c_prog deepu newdir newdirectory
./c_prog:
./deepu:
animals.txt chap1 chap1.txt chap2.txt chapa.txt fruits.txt things.txt
./newdir:
./newdirectory:
[atplab3_trg24@NDAUNIX ~]$
```

2.11

```
[atplab3_trg24@NDAUNIX ~]$ rmdir newdirectory
[atplab3_trg24@NDAUNIX ~]$ ls
c_prog deepu newdir
[atplab3_trg24@NDAUNIX ~]$
```

2.12

```
[atplab3_trg24@NDAUNIX ~]$ mkdir temp
[atplab3_trg24@NDAUNIX ~]$ ls
c_prog deepu newdir temp
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ rmdir temp
[atplab3_trg24@NDAUNIX ~]$ ls
c_prog deepu newdir
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ mkdir temp
[atplab3_trg24@NDAUNIX ~]$ cd temp
[atplab3_trg24@NDAUNIX temp]$ mkdir directorynew
[atplab3_trg24@NDAUNIX temp]$ ls
directorynew
[atplab3_trg24@NDAUNIX temp]$ pwd
/home/atplab3_trg24/temp
[atplab3_trg24@NDAUNIX temp]$
```

2.15

```
[atplab3_trg24@NDAUNIX temp]$ pwd
/home/atplab3_trg24/temp
[atplab3_trg24@NDAUNIX temp]$ cd
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3 trg24@NDAUNIX ~]$ cd temp
[atplab3 trg24@NDAUNIX temp]$ 1s
directorynew
[atplab3 trg24@NDAUNIX temp]$ pwd
/home/atplab3 trg24/temp
[atplab3 trg24@NDAUNIX temp]$ cd
[atplab3 trg24@NDAUNIX ~]$ cd tmp
-bash: cd: tmp: No such file or directory
[atplab3 trg24@NDAUNIX ~]$ cd list2
-bash: cd: list2: No such file or directory
[atplab3 trg24@NDAUNIX ~]$ mkdir avi
[atplab3 trg24@NDAUNIX ~]$ cd temp
[atplab3 trg24@NDAUNIX temp]$ mkdir avi
[atplab3 trg24@NDAUNIX temp]$ 1s
[atplab3 trg24@NDAUNIX temp]$ mkdir tmp
[atplab3 trg24@NDAUNIX temp]$ cd tmp
[atplab3 trg24@NDAUNIX tmp]$ cd directory
-bash: cd: directory: No such file or directory
[atplab3 trg24@NDAUNIX tmp]$ 1s
[atplab3 trg24@NDAUNIX tmp]$ mkdir avi
[atplab3 trg24@NDAUNIX tmp]$ 1s
[atplab3 trg24@NDAUNIX tmp]$ cd..
-bash: cd..: command not found
[atplab3 trg24@NDAUNIX tmp]$ cd
[atplab3 trg24@NDAUNIX ~]$ cd
[atplab3 trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX tmp]$ cd
[atplab3_trg24@NDAUNIX ~]$ cd
[atplab3_trg24@NDAUNIX ~]$ rmdir c_prog
[atplab3_trg24@NDAUNIX ~]$ ls
avi deepu newdir temp
[atplab3_trg24@NDAUNIX ~]$
```

2.18

```
[atplab3_trg24@NDAUNIX /]$ cd .
[atplab3_trg24@NDAUNIX home]$ cd ..
[atplab3_trg24@NDAUNIX /]$ ls .*
.autofsck .autorelabel
.:
bin cgroup etc initramfs-2.6.32-431.el6.x86_64.img lib64 media mnt opt root scvmmagent_linux srv tmp util boot dev home lib lost+found misc net proc sbin selinux sys usr var
..:
bin cgroup etc initramfs-2.6.32-431.el6.x86_64.img lib64 media mnt opt root scvmmagent_linux srv tmp util boot dev home lib lost+found misc net proc sbin selinux sys usr var
ls: cannot open directory .dbus: Permission denied
[atplab3_trg24@NDAUNIX /]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cat > first.unix

Hi ! Good Morning everybody.

Welcome to the First exercise on UNIX.

Hope you enjoy doing the assignments.

[atplab3_trg24@NDAUNIX ~]$ cat first.unix

Hi ! Good Morning everybody.

Welcome to the First exercise on UNIX.

Hope you enjoy doing the assignments.

[atplab3_trg24@NDAUNIX ~]$
```

2.21

```
[atplab3_trg24@NDAUNIX ~]$ cat > first.unics
[atplab3_trg24@NDAUNIX ~]$ ls

avi deepu first.unics first.unix newdir temp
[atplab3_trg24@NDAUNIX ~]$ cp first.unix first.unics
[atplab3_trg24@NDAUNIX ~]$ cat first.unics
Hi ! Good Morning everybody.
Welcome to the First exercise on UNIX.
Hope you enjoy doing the assignments.
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cat first.unix > first.unics
[atplab3_trg24@NDAUNIX ~]$ cat first.unics
Hi ! Good Morning everybody.
Welcome to the First exercise on UNIX.
Hope you enjoy doing the assignments.
[atplab3_trg24@NDAUNIX ~]$ cat first.unix
Hi ! Good Morning everybody.
Welcome to the First exercise on UNIX.
Hope you enjoy doing the assignments.
[atplab3_trg24@NDAUNIX ~]$ ls
avi deepu first.unics first.unix newdir temp
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cd temp
[atplab3_trg24@NDAUNIX temp]$ mkdir lab23
[atplab3_trg24@NDAUNIX temp]$ ls
avi directorynew lab23 tmp
[atplab3_trg24@NDAUNIX temp]$ [
```

2.24

```
atplab3_trg24@NDAUNIX:~/temp/abcd
```

```
[atplab3_trg24@NDAUNIX temp]$ cp /home/atplab3_trg24/. /home/atplab3_trg24/temp/abcd cp: omitting directory `/home/atplab3_trg24/.'
[atplab3_trg24@NDAUNIX temp]$ ls abcd first
[atplab3_trg24@NDAUNIX temp]$ cd abcd
[atplab3_trg24@NDAUNIX abcd]$ ls abcd
[atplab3_trg24@NDAUNIX abcd]$ cd /temp/abcd
```

2.25

```
[atplab3_trg24@NDAUNIX ~]$ mv first.unix second.unix
[atplab3_trg24@NDAUNIX ~]$ cat second.unix
Hi ! Good Morning everybody.
Welcome to the First exercise on UNIX.
Hope you enjoy doing the assignments.
[atplab3_trg24@NDAUNIX ~]$
```

2.26

```
[atplab3_trg24@NDAUNIX ~]$ rm first.unics
[atplab3_trg24@NDAUNIX ~]$ ls
avi deepu newdir second.unix temp
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cd temp
[atplab3_trg24@NDAUNIX temp]$ rm *
rm: cannot remove `avi': Is a directory
rm: cannot remove `directorynew': Is a directory
rm: cannot remove `lab23': Is a directory
rm: cannot remove `lion': Is a directory
rm: cannot remove `tiger': Is a directory
rm: cannot remove `tiger': Is a directory
rm: cannot remove `tmp': Is a directory
[atplab3_trg24@NDAUNIX temp]$
```

```
[atplab3_trg24@NDAUNIX temp]$ mv *a.txt *c.txt *o.txt /home/atplab3_trg24
mv: cannot stat `*a.txt': No such file or directory
mv: cannot stat `*c.txt': No such file or directory
mv: cannot stat `*o.txt': No such file or directory
[atplab3_trg24@NDAUNIX temp]$
```

```
[atplab3_trg24@NDAUNIX temp]$ cat > rgia.txt
aeroplanes
emirates
spicejet
[atplab3_trg24@NDAUNIX temp]$ mv *a.txt *c.txt *o.txt /home/atplab3_trg24
mv: cannot stat `*c.txt': No such file or directory
mv: cannot stat `*o.txt': No such file or directory
[atplab3_trg24@NDAUNIX temp]$ cd ..
[atplab3_trg24@NDAUNIX ~]$ ls
avi deepu newdir rgia.txt second.unix temp
[atplab3_trg24@NDAUNIX ~]$
```

2.29

```
[atplab3_trg24@NDAUNIX temp]$ cat > pradeep.unix
a
b
c
d
[atplab3_trg24@NDAUNIX temp]$ cp *.unix /home/atplab3_trg24/
[atplab3_trg24@NDAUNIX temp]$ cd
[atplab3_trg24@NDAUNIX temp]$ cd
[atplab3_trg24@NDAUNIX ~]$ ls
avi deepu deepu.unix newdir pradeep.unix rgia.txt second.unix temp
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cd temp
[atplab3_trg24@NDAUNIX temp]$ ls
avi directorynew lab23 lion pradeep.unix tiger tmp
[atplab3_trg24@NDAUNIX temp]$ rm -r *
[atplab3_trg24@NDAUNIX temp]$ ls
[atplab3_trg24@NDAUNIX temp]$ ]
```

```
[atplab3_trg24@NDAUNIX ~]$ ls
avi deepu deepu.unix newdir pradeep.unix rgia.txt second.unix temp
[atplab3_trg24@NDAUNIX ~]$ cp pradeep.unix rgia.unix rgia.txt
cp: target `rgia.txt' is not a directory
[atplab3_trg24@NDAUNIX ~]$ mv pradeep.unix rgia.unix rgia.txt
mv: target `rgia.txt' is not a directory
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3 trg24@NDAUNIX ~]$ cat > friends
Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay 5546785 01/04/66
     7820022 09/07/68
Mano
David 8281292 09/09/60
simmi 7864563 12/12/70
Navin 2224311 30/05/68
[atplab3 trg24@NDAUNIX ~]$ cat friends
Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay 5546785 01/04/66
      7820022 09/07/68
Mano
David 8281292 09/09/60
simmi 7864563 12/12/70
Navin 2224311 30/05/68
[atplab3 trg24@NDAUNIX ~]$ mv friends friends.unix
[atplab3 trg24@NDAUNIX ~]$ cat friends.unix
Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay 5546785 01/04/66
Mano
       7820022 09/07/68
David 8281292 09/09/60
simmi 7864563 12/12/70
Navin 2224311 30/05/68
[atplab3 trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cp friends.unix friends.txt
[atplab3_trg24@NDAUNIX ~]$ cat friends.txt

Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay 5546785 01/04/66
Mano 7820022 09/07/68
David 8281292 09/09/60
simmi 7864563 12/12/70
Navin 2224311 30/05/68
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cat friends.txt >> newfriends.txt
[atplab3_trg24@NDAUNIX ~]$ cat newfriends.txt

Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay 5546785 01/04/66
Mano 7820022 09/07/68
David 8281292 09/09/60
simmi 7864563 12/12/70
Navin 2224311 30/05/68
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3 trg24@NDAUNIX ~]$ cat friends.txt newfriends.txt
Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay
       5546785 01/04/66
       7820022 09/07/68
Mano
David 8281292 09/09/60
simmi
       7864563 12/12/70
Navin 2224311 30/05/68
Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay
       5546785 01/04/66
      7820022 09/07/68
Mano
David 8281292 09/09/60
simmi 7864563 12/12/70
Navin 2224311 30/05/68
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3 trg24@NDAUNIX ~]$ who -q | tr ' ' '\n'
BI SAP18
atplab3 trg38
atplab3_trg37
augl3 trgl
aug13 trg15
aug13 trg6
aug13_trg3
augl3 trg4
aug13 trg5
BI SAP28
aug13 trg2
aug13 trg13
aug13 trg14
BI SAP31
aug13 trg10
augl3 trg8
Lab9 mum35
augl3 trg9
aug13 trg7
atplab3 trg40
atplab3 trg34
atplab3 trg10
atplab3 trg13
atplab3 trg39
atplab3_trg2
atplab3 trg28
atplab3 trg33
atplab3 trg41
atplab3 trg42
atplab3 trg14
atplab3 trg18
atplab3 trg12
atplab3 trgll
atplab3 trg8
atplab3 trg7
atplab3 trg6
atplab3 trg24
atplab3 trg17
atplab3 trg9
atplab3 trg22
atplab3 trg4
```

```
[atplab3 trg24@NDAUNIX ~]$ who -q | tr ' ' '\n' >> users.txt
[atplab3 trg24@NDAUNIX ~]$ cat users.txt
BI SAP18
atplab3 trg38
atplab3 trg37
augl3 trgl
aug13 trg15
augl3 trg6
augl3 trg3
aug13 trg4
augl3 trg5
BI SAP28
aug13 trg2
aug13 trg13
aug13 trg14
BI SAP31
augl3 trgl0
aug13 trg8
Lab9 mum35
aug13 trg9
aug13 trg7
atplab3 trg40
atplab3 trg34
atplab3 trg10
atplab3 trg13
atplab3_trg39
atplab3_trg2
atplab3 trg28
atplab3 trg33
atplab3 trg41
atplab3_trg42
```

```
[atplab3_trg24@NDAUNIX ~]$ cat friends.txt >> users.txt
[atplab3 trg24@NDAUNIX ~]$ cat friends.txt users.txt
Madhu 6966456 09/07/68
jamil 2345215 08/09/67
ajay 5546785 01/04/66
Mano 7820022 09/07/68
David 8281292 09/09/60
simmi 7864563 12/12/70
Navin 2224311 30/05/68
BI SAP18
atplab3 trg38
atplab3_trg37
augl3 trgl
augl3 trgl5
aug13 trg6
augl3 trg3
augl3 trg4
aug13 trg5
BI SAP28
augl3 trg2
augl3 trgl3
augl3 trgl4
BI SAP31
aug13 trg10
```

```
[atplab3_trg24@NDAUNIX ~]$ date
Tue Sep 3 17:39:04 IST 2019
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3 trg24@NDAUNIX ~]$ date "+ %"
[atplab3 trg24@NDAUNIX ~]$ date "+ %m"
[atplab3 trg24@NDAUNIX ~]$ date "+%m"
09
[atplab3 trg24@NDAUNIX ~]$ date "+%d"
03
[atplab3 trg24@NDAUNIX ~]$ date "+%D"
09/03/19
[atplab3 trg24@NDAUNIX ~]$ date "+%/%Training Activity"
%/17:44:21raining Activity
[atplab3_trg24@NDAUNIX ~]$ date "+%/% Training Activity"
%/% Training Activity
[atplab3 trg24@NDAUNIX ~]$ date "%Training Activity"
date: invalid date `%Training Activity'
[atplab3 trg24@NDAUNIX ~]$ date "+%Training Activity"
17:45:25raining Activity
[atplab3 trg24@NDAUNIX ~]$ date "+%r"
05:45:39 PM
[atplab3 trg24@NDAUNIX ~]$
```

atplab3_trg24@NDAUNIX:~

3.2

```
[atplab3_trg24@NDAUNIX ~]$ cat > add.c
afasfcsv
[atplab3_trg24@NDAUNIX ~]$ chmod ugo+x add.c
[atplab3_trg24@NDAUNIX ~]$ ls -la add.c
-rwxrwxr-x 1 atplab3_trg24 atplab3_trg24 9 Sep 9 09:17 add.c
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cat >aa.c
afscdx
[atplab3_trg24@NDAUNIX ~]$ ls -la aa.c
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 7 Sep 9 09:18 aa.c
[atplab3_trg24@NDAUNIX ~]$ chmod u+x aa.c
[atplab3_trg24@NDAUNIX ~]$ ls -la aa.c
-rwxrw-r-- 1 atplab3_trg24 atplab3_trg24 7 Sep 9 09:18 aa.c
[atplab3_trg24@NDAUNIX ~]$ chmod go+r aa.c
[atplab3_trg24@NDAUNIX ~]$ ls -la aa.c
-rwxrw-r-- 1 atplab3_trg24 atplab3_trg24 7 Sep 9 09:18 aa.c
[atplab3_trg24@NDAUNIX ~]$ chmod u-x aa.c
[atplab3_trg24@NDAUNIX ~]$ ls -la aa.c
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 7 Sep 9 09:18 aa.c
[atplab3_trg24@NDAUNIX ~]$ ls -la aa.c
-rw-rw-r-- 1 atplab3_trg24 atplab3_trg24 7 Sep 9 09:18 aa.c
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg24@NDAUNIX ~]$ cat >aa.c
[atplab3_trg24@NDAUNIX ~]$ cat >kk.c
[atplab3_trg24@NDAUNIX ~]$ cat >nato
[atplab3_trg24@NDAUNIX ~]$ cat >myfile
[atplab3_trg24@NDAUNIX ~]$ cat >a.c
[atplab3_trg24@NDAUNIX ~]$ chmod u+x a.c kk.c nato myfile
[atplab3_trg24@NDAUNIX ~]$ ls -la a.c kk.c nato my file
ls: cannot access my: No such file or directory
ls: cannot access file: No such file or directory
-rwxrw-r-- 1 atplab3_trg24 atplab3_trg24 0 Sep 9 09:23 a.c
-rwxrw-r-- 1 atplab3_trg24 atplab3_trg24 0 Sep 9 09:22 kk.c
-rwxrw-r-- 1 atplab3_trg24 atplab3_trg24 0 Sep 9 09:22 nato
[atplab3_trg24@NDAUNIX ~]$
```

```
atplab3 trg24@NDAUNIX:/bin
                                                                                   ×
                                                                             [atplab3 trg24@NDAUNIX ~]$ cd /
[atplab3 trg24@NDAUNIX /]$ cd
[atplab3 trg24@NDAUNIX ~]$ cd ..
[atplab3 trg24@NDAUNIX home]$ cd ..
[atplab3 trg24@NDAUNIX /]$ cd bin
[atplab3 trg24@NDAUNIX bin]$ ls
alsaunmute cgset
                        dbus-cleanup-sockets echo
                                                           gettext
                                                                                kill
arch
            cgsnapshot dbus-daemon
                                                                                link
                                               ed
                                                           grep
awk
                        dbus-monitor
                                                                                ln
            chgrp
                                               egrep
                                                           gtar
                                                                                load
basename
            chmod
                        dbus-send
                                               env
                                                           gunzip
bash
                        dbus-uuidgen
                                                                                logg
            chown
                                               ex
                                                           gzip
                        dd
                                                                                logi
cat
            ср
                                               false
                                                           hostname
                        df
 gclassify
                                                           ipcalc
                                                                                ls
           cpio
                                               fgrep
cgcreate
            csh
                        dmesg
                                               find
                                                           iptables-xml
                                                                                lsbl
cgdelete
            cut
                        dnsdomainname
                                               findmnt
                                                           iptables-xml-1.4.7
                                                                               lscg
                                                           kbd mode
            dash
                        domainname
                                                                                lssu
                                               gawk
                                                           keyctl
                                                                                mail
            date
                        dumpkeys
[atplab3 trg24@NDAUNIX bin]$
```

```
atplab3_trg24@NDAUNIX:~
                                                                            ×
[atplab3 trg24@NDAUNIX ~]$ help > 1sdoc
[atplab3_trg24@NDAUNIX ~]$ cat lsdoc
GNU bash, version 4.1.2(1)-release (x86_64-redhat-linux-gnu)
These shell commands are defined internally. Type `help' to see this list.
Type 'help name' to find out more about the function 'name'.
Use `info bash' to find out more about the shell in general.
Use `man -k' or `info' to find out more about commands not in this list.
A star (*) next to a name means that the command is disabled.
                                          history [-c] [-d offset] [n] or histo>
 job spec [&]
                                          if COMMANDS; then COMMANDS; [ elif CO>
 (( expression ))
 . filename [arguments]
                                          jobs [-lnprs] [jobspec ...] or jobs ->
                                          kill [-s sigspec | -n signum | -sigsp>
 [ arg... ]
                                          let arg [arg ...]
                                          local [option] name[=value] ...
 [[ expression ]]
 alias [-p] [name[=value] ... ]
                                          logout [n]
                                          mapfile [-n count] [-0 origin] [-s co>
 bg [job spec ...]
 bind [-lpvsPVS] [-m keymap] [-f filena>
                                          popd [-n] [+N | -N]
 break [n]
                                          printf [-v var] format [arguments]
 builtin [shell-builtin [arg ...]]
                                          pushd [-n] [+N | -N | dir]
 caller [expr]
                                          pwd [-LP]
 case WORD in [PATTERN [| PATTERN]...) > read [-ers] [-a array] [-d delim] [-i>
 cd [-L|-P] [dir]
                                          readarray [-n count] [-0 origin] [-s >
                                          readonly [-af] [name[=value] ...] or >
 command [-pVv] command [arg ...]
 compgen [-abcdefgjksuv] [-o option] [> return [n]
 complete [-abcdefgjksuv] [-pr] [-DE] [> select NAME [in WORDS ... ;] do COMMA>
                                          set [--abefhkmnptuvxBCHP] [-o option->
 compopt [-o|+o option] [-DE] [name ...>
 continue [n]
                                          shift [n]
 coproc [NAME] command [redirections]
                                          shopt [-pqsu] [-o] [optname ...]
 declare [-aAfFilrtux] [-p] [name[=valu>
                                          source filename [arguments]
 dirs [-clpv] [+N] [-N]
                                          suspend [-f]
 disown [-h] [-ar] [jobspec ...]
                                          test [expr]
 echo [-neE] [arg ...]
                                          time [-p] pipeline
 enable [-a] [-dnps] [-f filename] [nam>
                                          times
 eval [arg ...]
                                          trap [-lp] [[arg] signal spec ...]
 exec [-cl] [-a name] [command [argumen>
                                          true
 exit [n]
                                          type [-afptP] name [name ...]
 export [-fn] [name[=value] ...] or exp>
                                          typeset [-aAfFilrtux] [-p] name[=valu>
                                          ulimit [-SHacdefilmnpqrstuvx] [limit]>
 fc [-e ename] [-lnr] [first] [last] or>
                                          umask [-p] [-S] [mode]
                                          unalias [-a] name [name ...]
 fg [job spec]
                                          unset [-f] [-v] [name ...]
 for NAME [in WORDS ... ] ; do COMMANDS>
```

```
[atplab3 trg24@NDAUNIX ~]$ more lsdoc
GNU bash, version 4.1.2(1)-release (x86 64-redhat-linux-gnu)
These shell commands are defined internally. Type 'help' to see this list.
Type `help name' to find out more about the function `name'.
Use `info bash' to find out more about the shell in general.
Use 'man -k' or 'info' to find out more about commands not in this list.
A star (*) next to a name means that the command is disabled.
 job_spec [&]
                                          history [-c] [-d offset] [n] or histo>
                                          if COMMANDS; then COMMANDS; [ elif CO>
 (( expression ))
 . filename [arguments]
                                          jobs [-lnprs] [jobspec ...] or jobs ->
                                          kill [-s sigspec | -n signum | -sigsp>
 [ arg... ]
                                          let arg [arg ...]
                                          local [option] name[=value] ...
 [[ expression ]]
 alias [-p] [name[=value] ...]
                                          logout [n]
 bg [job spec ...]
                                          mapfile [-n count] [-0 origin] [-s co>
 bind [-lpvsPVS] [-m keymap] [-f filena> popd [-n] [+N | -N]
 break [n]
                                          printf [-v var] format [arguments]
                                          pushd [-n] [+N | -N | dir]
 builtin [shell-builtin [arg ...]]
 caller [expr]
                                          pwd [-LP]
 case WORD in [PATTERN [| PATTERN]...) > read [-ers] [-a array] [-d delim] [-i>
 cd [-L|-P] [dir]
                                          readarray [-n count] [-0 origin] [-s >
 command [-pVv] command [arg ...]
                                          readonly [-af] [name[=value] ...] or >
 compgen [-abcdefgjksuv] [-o option] [> return [n]
 complete [-abcdefgjksuv] [-pr] [-DE] [> select NAME [in WORDS ... ;] do COMMA>
 compopt [-0|+0 option] [-DE] [name ...> set [--abefhkmnptuvxBCHP] [-0 option->
 continue [n]
                                          shift [n]
 coproc [NAME] command [redirections]
                                          shopt [-pqsu] [-o] [optname ...]
 declare [-aAfFilrtux] [-p] [name[=valu> source filename [arguments]
 dirs [-clpv] [+N] [-N]
                                          suspend [-f]
 disown [-h] [-ar] [jobspec ...]
                                          test [expr]
 echo [-neE] [arg ...]
                                          time [-p] pipeline
 enable [-a] [-dnps] [-f filename] [nam>
                                          times
 eval [arg ...]
                                          trap [-lp] [[arg] signal spec ...]
 exec [-cl] [-a name] [command [argumen>
                                          true
 exit [n]
                                          type [-afptP] name [name ...]
 export [-fn] [name[=value] ...] or exp> typeset [-aAfFilrtux] [-p] name[=valu>
                                          ulimit [-SHacdefilmnpqrstuvx] [limit]>
 false
```

```
atplab3_trg24@NDAUNIX:~

[atplab3_trg24@NDAUNIX ~]$ head -4 lsdoc

GNU bash, version 4.1.2(1)-release (x86_64-redhat-linux-gnu)

These shell commands are defined internally. Type `help' to see this list.

Type `help name' to find out more about the function `name'.

Use `info bash' to find out more about the shell in general.

[atplab3_trg24@NDAUNIX ~]$
```

```
atplab3_trg24@NDAUNIX:~
                                                                            [atplab3 trg24@NDAUNIX ~]$ tail -7 lsdoc
fg [job spec]
                                          unalias [-a] name [name ...]
for NAME [in WORDS ... ] ; do COMMANDS>
                                          unset [-f] [-v] [name ...]
                                          until COMMANDS; do COMMANDS; done
for (( expl; exp2; exp3 )); do COMMAND>
function name { COMMANDS ; } or name (>
                                          variables - Names and meanings of som>
getopts optstring name [arg]
                                          wait [id]
hash [-lr] [-p pathname] [-dt] [name .> while COMMANDS; do COMMANDS; done
                                          { COMMANDS ; }
help [-dms] [pattern ...]
[atplab3 trg24@NDAUNIX ~]$
```

```
atplab3_trg24@NDAUNIX:~
                                                                             [atplab3 trg24@NDAUNIX ~]$ rm lsdoc
[atplab3 trg24@NDAUNIX ~]$ 1s
aa.c
                                   fruits.txt
                                                   pradeep
a.c
             deepu.unix
                                   kk.c
                                                   pradeep.txt
                                                                  script
             fl
                                                   pradeep.unix
add.c
                                                                 scriptl.sh
                                  myfile
            flbackup
                                                                 second.unix
animals.txt
                                                   prem
archive
             filel
                                   nato
                                                                 shellscript.sh
                                                   rgia.txt
archive.tar
                                                   sl.sh
             filelbackup
             filelbackup-05Sep19
                                   newfriends.txt
                                                   s2.sh
                                                                 users.txt
chandu
             first.unics
                                                   s3.sh
                                                                 vi-test
chapl.txt
             friends.txt
                                  poem
                                                   s4.sh
             friends.unix
                                                   s5.sh
count
                                  practice
[atplab3 trg24@NDAUNIX ~]$
```

```
[atplab3 trg24@NDAUNIX ~]$ cat friends.txt >> newfriends.txt
[atplab3 trg24@NDAUNIX ~]$ cat newfriends.txt
        6966456 09/07/68
Madhu
jamil
        2345215 08/09/67
        5546785 01/04/66
ajay
Mano
        7820022 09/07/68
David
        8281292 09/09/60
simmi
        7864563 12/12/70
        2224311 30/05/68
[atplab3 trg24@NDAUNIX ~]$
```

```
atplab3_trg24@NDAUNIX:~
[atplab3 trg24@NDAUNIX ~]$ cat friends.txt
Madhu: 09/07/1991
jamil: 09/07/1991
ajay : 01/04/1992
Mano : 09/01/1999
David: 09/09/1999
simmi: 12/12/1998
Navin: 30/05/1996
[atplab3 trg24@NDAUNIX ~]$ cat friends.txt | grep ma*
jamil: 09/07/1991
simmi: 12/12/1998
[atplab3 trg24@NDAUNIX ~]$ grep -i ma* friends.txt
Madhu: 09/07/1991
jamil: 09/07/1991
Mano : 09/01/1999
simmi: 12/12/1998
[atplab3 trg24@NDAUNIX ~]$ cat friends.txt | grep -i ma* friends.txt
Madhu: 09/07/1991
jamil: 09/07/1991
Mano : 09/01/1999
simmi: 12/12/1998
[atplab3 trg24@NDAUNIX ~]$ cat friends.txt | grep -i ma*
Madhu: 09/07/1991
jamil: 09/07/1991
Mano : 09/01/1999
simmi: 12/12/1998
[atplab3 trg24@NDAUNIX ~]$
```

```
atplab3_trg24@NDAUNIX:~

[atplab3_trg24@NDAUNIX ~]$ cat friends.txt | grep -i ma*.[i][id] friends.txt
[atplab3_trg24@NDAUNIX ~]$ cat friends.txt
Madhu: 09/07/1991
jamil: 09/07/1991
ajay: 01/04/1992
Mano: 09/01/1999
David: 09/09/1999
simmi: 12/12/1998
Navin: 30/05/1996
[atplab3_trg24@NDAUNIX ~]$
```

```
[atplab3_trg17@NDAUNIX ~]$ 1s -d $PWD/*
/home/atplab3_trg17/aa.c
/home/atplab3_trg17/a.c
                                              /home/atplab3 trgl7/sample-test
/home/atplab3 trg17/add.c
                                                ome/atplab3 trg17/Samp.tar.
/home/atplab3 trgl7/dharani
/home/atplab3_trg17/Dhiksha
                                              /home/atplab3_trg17/shellscript.sh
                                             /home/atplab3_trg17/shell.sh
/home/atplab3_trg17/task.sh
/home/atplab3_trgl7/files.txt
                                             /home/atplab3_trg17/tee.txt
/home/atplab3 trgl7/first.unix
                                             /home/atplab3 trgl7/temp
                                             /home/atplab3_trg17/test
/home/atplab3 trgl7/for.sh
/home/atplab3_trgl7/friends.txt
                                             /home/atplab3_trg17/test_back
/home/atplab3_trg17/kk.c
/home/atplab3_trg17/lab.txt
                                             /home/atplab3_trg17/test_back-
/home/atplab3_trg17/test_back-0905
                                             /home/atplab3 trg17/test_back-09-05
/home/atplab3 trgl7/myfile
/home/atplab3 trg17/name-detail.sh /home/atplab3 trg17/test back-090519
                                             /home/atplab3_trgl7/test-script
/home/atplab3_trg17/nato
/home/atplab3_trg17/newdir /home/atplab3_trg17/testss.txt
/home/atplab3_trg17/newdirectory /home/atplab3_trg17/testst.txt
/home/atplab3_trg17/newfriends.txt /home/atplab3_trg17/tests.txt
 home/atplab3 trg17/new.tar.gz
                                             /home/atplab3 trg17/test.txt
/home/atplab3 trgl7/oper.sh
                                             /home/atplab3_trgl7/while.sh
/home/atplab3_trg17/rwxrwx---
/home/atplab3_trg17/sampl
[atplab3_trg17@NDAUNIX ~]$
```

4.10

```
[atplab3_trg17@NDAUNIX ~]$ ls -d */
direct/ first/ newdir/ newdirectory/ temp/ tst/
[atplab3_trg17@NDAUNIX ~]$
```

```
[atplab3 trg17@NDAUNIX ~]$ cat > aksharaa
abishek
rajan
kayal
divya
vaishu
raga
dharani
mega
[atplab3 trg17@NDAUNIX ~]$ sort aksharaa
abishek
dharani
divya
kayal
mega
raga
rajan
vaishu
[atplab3 trg17@NDAUNIX ~]$
```

4.13

```
[atplab3_trgl7@NDAUNIX ~]$ awk '{print toupper($0)}' aksharaa
ABISHEK
RAJAN
KAYAL
DIVYA
VAISHU
RAGA
DHARANI
MEGA
[atplab3_trg17@NDAUNIX ~]$
```

```
[atplab3_trg17@NDAUNIX ~]$ cp * /home/atplab3_trg17/dir cp: omitting directory `dir' cp: omitting directory `direct'
 cp: omitting directory `first'
 cp: omitting directory `newdir'
cp: omitting directory `newdirectory'
 cp: omitting directory `temp'
cp: omitting directory 'tst'
[atplab3_trg17@NDAUNIX ~]$ cd dir
[atplab3_trg17@NDAUNIX dir]$ 1s
 aa.c
a.c
                dharani
                                    lab.txt
                                                               sampl
                                                                                          tee.txt
                                                                                                                        testss.txt
                Dhiksha
                                                                sample-test
                                      name-detail.sh sample.txt
                                                                                           test_back
Chapter first.unix newfriends.txt samp-test chapter1 for.sh new.tar.gz shellscript. chapter2 friends.txt oper.sh shell.sh
                                                                Samp.tar.gz test_back-
samp-test test_back-0905
shellscript.sh test_back-09-05
                                                                                                                        test.txt
                                                                                                                        while.sh
                                                                                           test_back-090519
chapters kk.c rwxrwx--
[atplab3 trg17@NDAUNIX dir]$
                                                                                          test-script
```

```
[atplab3 trg17@NDAUNIX dir]$ 1s -1 | awk '{print $1, $9}'
-rw-rw-r-- aa.c
-rwxrw-r-- a.c
-rwxrwxr-x add.c
-rw-rw-r-- aksharaa
-rw-rw-r-- chapter
-rw-rw-r-- chapterl
-rw-rw-r-- chapter2
-rw-rw-r-- chapters
-rwxr-xr-x dharani
-rw-rw-r-- Dhiksha
-rw-rw-r-- dir
-rwxrw-r-- files.txt
-rw-rw-r-- first.unix
-rw-rw-r-- for.sh
-rw-rw-r-- friends.txt
-rwxrw-r-- kk.c
-rw-rw-r-- lab.txt
-rwxrw-r-- myfile
-rw-rw-r-- name-detail.sh
-rwxrw-r-- nato
-rw-rw-r-- newfriends.txt
-rw-rw-r-- new.tar.gz
-rw-rw-r-- oper.sh
-rw-rw-r-- rwxrwx---
-rw-rw-r-- sampl
-rw-rw-r-- sample-test
-rwxr-xr-x sample.txt
-rw-rw-r-- Samp.tar.gz
-rwxr-xr-x samp-test
-rwxrwxr-x shellscript.sh
-rw-rw-r-- shell.sh
-rwxrwxr-x task.sh
-rw-rw-r-- tee.txt
-rw-rw-r-- test
-rw-rw-r-- test back
-rw-rw-r-- test back-
-rw-rw-r-- test back-0905
-rw-rw-r-- test back-09-05
```

```
[atplab3_trg17@NDAUNIX dir] $ 1s -1 | awk '{ print $9}' >> files.txt
[atplab3 trg17@NDAUNIX dir]$ vi files.txt
[atplab3 trg17@NDAUNIX dir]$ cat files.txt
aa.c
a.c
add.c
aksharaa
chapter
chapterl
chapter2
chapters
dharani
Dhiksha
dir
files.txt
first.unix
for.sh
friends.txt
kk.c
lab.txt
myfile
name-detail.sh
nato
newfriends.txt
new.tar.gz
oper.sh
rwxrwx---
sampl
sample-test
sample.txt
Samp.tar.gz
samp-test
shellscript.sh
shell.sh
task.sh
tee.txt
test
test back
test back-
test back-0905
test back-09-05
test_back-090519
test-script
```

```
[atplab3 trg17@NDAUNIX dir]$ cat perm
total
-rw-rw-r--
-rwxrw-r--
-rwxrwxr-x
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rwxr-xr-x
-rw-rw-r--
-rw-rw-r--
-rwxrw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rwxrw-r--
-rw-rw-r--
-rwxrw-r--
-rw-rw-r--
-rwxrw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rwxr-xr-x
-rw-rw-r--
-rwxr-xr-x
-rwxrwxr-x
-rw-rw-r--
-rwxrwxr-x
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
-rw-rw-r--
```

```
[atplab3_trg17@NDAUNIX dir]$ ls -l | awk '{ print $5}' >> size [atplab3_trg17@NDAUNIX dir]$ cat size
15
2
27
51
0
0
0
0
0
114
25
0
431
186
43
186
2
536
2
145
2
186
124
131
512
0
66
26
368
124
1586
83
94
0
26
25
30
0 0
```

```
[atplab3_trg17@NDAUNIX dir]$ ls -l | awk '{ print $9,$5,$1}
aa.c 15 -rw-rw-r--
a.c 2 -rwxrw-r--
add.c 27 -rwxrwxr-x
aksharaa 51 -rw-rw-r--
chapter 0 -rw-rw-r--
chapterl 0 -rw-rw-r--
chapter2 0 -rw-rw-r--
chapters 0 -rw-rw-r--
dharani 114 -rwxr-xr-x
Dhiksha 25 -rw-rw-r--
dir 0 -rw-rw-r--
files.txt 431 -rwxrw-r--
first.unix 186 -rw-rw-r--
for.sh 43 -rw-rw-r--
friends.txt 186 -rw-rw-r--
kk.c 2 -rwxrw-r--
lab.txt 536 -rw-rw-r--
myfile 2 -rwxrw-r--
name-detail.sh 145 -rw-rw-r--
nato 2 -rwxrw-r--
newfriends.txt 186 -rw-rw-r--
new.tar.gz 124 -rw-rw-r--
oper.sh 131 -rw-rw-r--
perm 512 -rw-rw-r--
rwxrwx--- 0 -rw-rw-r--
sampl 66 -rw-rw-r--
sample-test 26 -rw-rw-r--
sample.txt 368 -rwxr-xr-x
Samp.tar.gz 124 -rw-rw-r--
samp-test 1586 -rwxr-xr-x
shellscript.sh 83 -rwxrwxr-x
shell.sh 94 -rw-rw-r--
size 139 -rw-rw-r--
task.sh 26 -rwxrwxr-x
tee.txt 25 -rw-rw-r--
test 30 -rw-rw-r--
test back 0 -rw-rw-r--
test back- 0 -rw-rw-r--
test back-0905 0 -rw-rw-r--
test back-09-05 0 -rw-rw-r--
test back-090519 0 -rw-rw-r--
```

```
[atplab3_trg17@NDAUNIX ~]$ who | wc -1
91
[atplab3_trg17@NDAUNIX ~]$
```

4.21

4.22

```
[atplab3_trg17@NDAUNIX dir]$ wc -1 < friends
15
[atplab3_trg17@NDAUNIX dir]$
```

4.25

```
[atplab3_trg17@NDAUNIX ~]$ date "+%T %A %d %b %Y"
16:56:37 Thursday 05 Sep 2019
[atplab3_trg17@NDAUNIX ~]$
```

```
[atplab3_trg17@NDAUNIX ~]$ vi lab.txt
[atplab3_trg17@NDAUNIX ~]$ cat lab.txt
A network is a group of computers that can communicate with each other, share resources, and access remote hosts or other networks. Netware is a computer network operating system designed to connect, manage, and maintain a network and its services. Some of the network services are Netware Directory Services (NDS), file system, printing and security.
[atplab3_trg17@NDAUNIX ~]$
```

5.1.1

[atplab3_trg17@NDAUNIX ~]\$ vi lab.txt
A network is a group of computers that can communicate with each other, share resources,
and access remote hosts or other networks. Netware is a computer network operating system
designed to connect, manage, and maintain a network and its services. Some of the networ
k services are Netware Directory Services (NDS), file system, printing and security.
[atplab3_trg17@NDAUNIX ~]\$ vi lab.txt
[atplab3_trg17@NDAUNIX ~]\$ cat lab.txt
A network is a group of computers that can communicate with each other, share resources,
and access remote hosts or other networks. Novell Netware is a computer network operating
system designed to connect, manage, and maintain a network and its services. Some of the
network services are Novell Netware Directory Services (NDS), file system, printing and
security.
[atplab3_trg17@NDAUNIX ~]\$

5.1.2

[atplab3_trg17@NDAUNIX ~]\$ vi lab.txt
[atplab3_trg17@NDAUNIX ~]\$ cat lab.txt
A network is a group of computers that can communicate with each other, share resources(such as hard diskes and printers), and access remote hosts or other networks. Novell Netware is a computer network operating system de signed to connect, manage, and maintain a network and its services. Some of the network services are Novell Netware Directory Services (NDS), file system, printing and security.
[atplab3_trg17@NDAUNIX ~]\$

5.1.3

[atplab3_trg17@NDAUNIX ~]\$ vi lab.txt
[atplab3_trg17@NDAUNIX ~]\$ cat lab.txt
A network is a group of computers that can communicate with each other, share resources(such as hard diskes and printers), and access remote hosts or other networks. Novell Netware is a computer network operating system de signed to connect, manage, and maintain a network and its services. Some of the network services are Novell Net ware Directory Services (NDS), file system, printing and security. Managing NDS is a fundamental administrator role because NDS provides a single point for accessing and managing most network resources.
[atplab3_trg17@NDAUNIX ~]\$

5.2.1

Madhu	6966456	09/07/68
Jamil	2345215	08/09/67
Ajay	554678	01/04/66
Mano	7820022	09/09/60
David	8281292	09/07/68
Simmi	7864563	12/12/70
Navin	2224311	30/05/68
~		

5.2.2

```
[atplab3_trg17@NDAUNIX ~]$ ls
aa.c add.c first.unix kk.c myfile newdir newfriends.txt temp
a.c files.txt friends.txt lab.txt nato newdirectory sample.txt
[atplab3_trg17@NDAUNIX ~]$ vi newfriends.txt
[atplab3_trg17@NDAUNIX ~]$ ls
aa.c add.c first.unix kk.c myfile newdir newfriends.txt temp
a.c files.txt friends.txt lab.txt nato newdirectory sample.txt
[atplab3_trg17@NDAUNIX ~]$
```

6.1

```
[ec2-user@ip-172-31-30-106 ~]$ grep "MANU SHARMA" /home/ec2-user/Mumbai/emp.1st
E12|MANU SHARMA|ENGINEER|NETWORK|12/05/1985|13000
[ec2-user@ip-172-31-30-106 ~]$ [
```

6.2

```
ec2-user~/Mumbai grep "MANU SHARMA" emp.lst | cut -d "|" -f1,4
E12|NETWORK
ec2-user~/Mumbai [
```

```
ec2-user~ find . -name emp.lst* |xargs grep "MANAGER" |cut -d ":" -f2
E11|RAJU|MANAGER|FINANCE|12/03/1996|28000
E16|RAJ|MANAGER|FINANCE|19/03/1996|28000
E21|BHUPENDRA|MANAGER|FINANCE|12/04/1996|28000
ec2-user~
```

```
ec2-user~/TTC cd
ec2-user~ find . -name desig.lst* |xargs grep "SE" | wc -1
3
ec2-user~ [
```

6.5

```
ec2-user~/Pune cat -n emp.lst | grep "H/W" | cut -d "|" -fl
3 2070
ec2-user~/Pune [
```

```
# atplab3_trg25@NDAUNUX~

# Din/Dass

uername="Whoami"
if [ Susername = $1 ]
then
echo "Susername logged in"
else
echo "user not logged in"
fi
```

```
login as: atplab3 trg25
atplab3_trg25@10.51.103.212's password:
Last login: Tue Sep 10 15:58:58 2019 from din80000548.corp.capgemini.com
[atplab3_trg25@NDAUNIX ~]$ vi script6.sh
[atplab3_trg25@NDAUNIX ~]$ sh script6.sh
logged in
[atplab3_trg25@NDAUNIX ~]$
```

```
# stplab3_trg25@NDAUNIX-

# /bar bash
list='ls .'
for file in filist
do
cho 'cat ffile'
done
```

6.8

```
[] / bin/bash
if [ $1 -gt $2 ]
then
if [ $1 -gt $3 ]
then
echo "$1 is largest"
else
echo "$3 is largest"
fi
else
if [ $2 -gt $3 ]
then
echo "$2 is largest"
else
echo "$3 is largest"
fi
fi
```

```
read
write
execute
[atplab3_trg25@NDAUNIX ~]$ vi script8.sh
[atplab3_trg25@NDAUNIX ~]$ vi script9.sh
[atplab3_trg25@NDAUNIX ~]$ sh script9.sh
[atplab3_trg25@NDAUNIX ~]$ [atplab3_trg25@NDAUNIX ~]$ [atplab3_trg25@NDAUNIX ~]$
```

```
#//bin//barm
res = qrep %1 %2 \
echo %res
```

6.11

```
## atplab3_trg25@NDAUNIX~

- ① ×

*/ bin there:

### grep b1 $2*

Coto $res
```

6.12

```
[atplab3_trg25@NDAUNIX ~]$ vi script14.sh
[atplab3_trg25@NDAUNIX ~]$ sh script14.sh
enter the first name
prem
enter the last name
chand
prem chand
[atplab3_trg25@NDAUNIX ~]$
```

6.15

```
[atplabs_trq259NDAUNIX -] vi scriptis.sh
[atplab trq259NDAUNIX -] vi scriptis.sh
[atplab trq259NDAUNIX -] vi scriptis.sh
[atplab trq259NDAUNIX -] vi scriptis.sh
/home/atplab trq25 // home/atplab trq25 // scriptis.sh /home/atplab trq25 // scriptis.sh // home/atplab trq25 // scriptis
```

```
### atplabi_trg25@NDAUNNX:~

###point/baint/
list=1s'
for file in $list

do

if [ -r $file ]

then
echo `ls -l $file`

fi
done
```

```
# plan bash echo 'ls $1 $2 | head'
```

```
# atplab3_trg25@NDAUNIX:~

# / pin/ / pash
list="ls ."

for file in $list

do

echo `cat $file`

done
```