

1.a

```
touch 21301380_1.txt 21301380_2.txt 21301380_3.txt 21301380_4.txt
mkdir Zarin01 Zarin02
mv 21301380_1.txt 21301380_2.txt 21301380_3.txt Zarin01/
cp Zarin01/21301380_1.txt Zarin02/
cp Zarin01/21301380_2.txt Zarin02/
mkdir Zarin03
cp -e Zarin01 Zarin03/
cp -r Zarin01 Zarin03/
cd Zarin03
ls -R
cd Zarin01/
chmod go=rx 21301380_1.txt 21301380_2.txt 21301380_3.txt
cd ..
chmod go=rx Zarin01
cd ..
mv Zarin03 /
sudo mv Zarin03 /
rm -r Zarin01 Zarin02 21301380_4.txt
```

```
→ zarin_tasnim_haider touch 21301380_1.txt 21301380_2.txt 21301380_3.txt 21301380_4.txt
→ zarin_tasnim_haider mkdir Zarin01 Zarin02
→ zarin_tasnim_haider ls
21301380_1.txt 21301380_2.txt 21301380_3.txt 21301380_4.txt Zarin01 Zarin02
→ zarin_tasnim_haider mv 21301380_1.txt 21301380_2.txt 21301380_3.txt Zarin01/\
>
→ zarin_tasnim_haider mv 21301380_1.txt 21301380_2.txt 21301380_3.txt Zarin01/
→ zarin_tasnim_haider ls
21301380_4.txt Zarin01 Zarin02
→ zarin_tasnim_haider cd Zarin01
→ Zarin01 ls
21301380_1.txt 21301380_2.txt 21301380_3.txt
→ Zarin01 cd ..
→ zarin_tasnim_haider cp Zarin01/21301380_1.txt Zarin02/
→ zarin_tasnim_haider cp Zarin01/21301380_2.txt Zarin02/
```

```
→ zarin_tasnim_haider mkdir Zarin03
→ zarin_tasnim_haider cp -e Zarin01 Zarin03/
cp: invalid option -- 'e'
Try 'cp --help' for more information.
→ zarin_tasnim_haider cp -r Zarin01 Zarin03/
→ zarin_tasnim_haider cd Zarin03
→ Zarin03 ls
Zarin01
→ Zarin03 ls -R
.:
Zarin01
./Zarin01:
21301380_1.txt 21301380_2.txt 21301380_3.txt
```

```

→ Zarin01 chmod go=rx 21301380_1.txt 21301380_2.txt 21301380_3.txt
→ Zarin01 ls -l
total 0
-rw-r-xr-x 1 tausif tausif 0 Sep  7 14:57 21301380_1.txt
-rw-r-xr-x 1 tausif tausif 0 Sep  7 14:57 21301380_2.txt
-rw-r-xr-x 1 tausif tausif 0 Sep  7 14:57 21301380_3.txt
→ Zarin01 cd ..
→ Zarin03 ls -l

```

```

→ Zarin03 chmod go=rx Zarin01
→ Zarin03 ls -l
total 4
drwxr-xr-x 2 tausif tausif 4096 Sep  7 14:57 Zarin01

```

```

→ Zarin03 cd ..
→ zarin_tasnim_haider ls
21301380_4.txt Zarin01 Zarin02 Zarin03
→ zarin_tasnim_haider mv Zarin03 /
mv: cannot move 'Zarin03' to '/Zarin03': Permission denied
→ zarin_tasnim_haider sudo mv Zarin03 /
[sudo] password for tausif:
→ zarin_tasnim_haider ls
21301380_4.txt Zarin01 Zarin02
→ zarin_tasnim_haider rm 21301380_4.txt Zarin01 Zain02
rm: cannot remove 'Zarin01': Is a directory
rm: cannot remove 'Zain02': No such file or directory
→ zarin_tasnim_haider rm -r Zarin01 Zarin02 21301380_4.txt

```

b)

cat > course.txt

CSE321 Operating System Section 11

CSE428 Image Processing Section 02

CSE470 Software Engineering Section 09

CSE360 Computer Interfacing Section 05

cat course.txt

grep -c "CSE" course.txt

c)

```

→ zarin_tasnim_haider cat > course.txt
CSE321 Operating System Section 11
CSE428 Image Processing Section 02
CSE470 Software Engineering Section 09
CSE360 Computer Interfacing Section 05
→ zarin_tasnim_haider cat course.txt
CSE321 Operating System Section 11
CSE428 Image Processing Section 02
CSE470 Software Engineering Section 09
CSE360 Computer Interfacing Section 05

```

```

→ zarin_tasnim_haider grep -c "CSE" course.txt
4
→ zarin_tasnim_haider

```

c) stat *

```
➤ / stat */
File: bin/
Size: 12288          Blocks: 24          IO Block: 4096   directory
Device: fc02h/64514d Inode: 393217       Links: 2
Access: (0755/drwxr-xr-x)  Uid: (  0/   root)   Gid: (  0/   root)
Access: 2024-09-06 23:58:27.675362843 +0600
Modify: 2024-08-30 01:36:57.280177650 +0600
Change: 2024-08-30 01:36:57.280177650 +0600
Birth: -
File: boot/
Size: 4096          Blocks: 8          IO Block: 4096   directory
Device: fc02h/64514d Inode: 131073       Links: 3
Access: (0755/drwxr-xr-x)  Uid: (  0/   root)   Gid: (  0/   root)
Access: 2024-08-30 06:09:08.790269011 +0600
Modify: 2024-08-30 06:09:10.386302250 +0600
Change: 2024-08-30 06:09:10.386302250 +0600
Birth: -
File: CloudResetPwdUpdateAgent/
Size: 4096          Blocks: 8          IO Block: 4096   directory
Device: fc02h/64514d Inode: 393236       Links: 7
Access: (0755/drwxr-xr-x)  Uid: (  0/   root)   Gid: (  0/   root)
Access: 2022-01-04 09:57:26.486186531 +0600
Modify: 2022-01-04 09:57:12.770114042 +0600
Change: 2022-01-04 09:57:12.770114042 +0600
Birth: -
File: CloudResetPwdAgent/
Size: 4096          Blocks: 8          IO Block: 4096   directory
Device: fc02h/64514d Inode: 394063       Links: 6
Access: (0755/drwxr-xr-x)  Uid: (  0/   root)   Gid: (  0/   root)
Access: 2022-01-04 09:57:26.486186531 +0600
Modify: 2022-01-04 09:57:16.726134949 +0600
Change: 2022-01-04 09:57:16.726134949 +0600
Birth: -
```

d) cat >temp.txt

head -n 17 temp.txt | tail -n 13

```
➤ zarin_tasnim_haider cat >temp.txt
When I'm away from you
I'm happier than ever
Wish I could explain it better
I wish it wasn't true
Give me a day or two to think of something clever
To write myself a letter
To tell me what to do, mm-mm
Do you read my interviews?
Or do you skip my avenue?
When you said you were passin' through
Was I even on your way?
I knew when I asked you to (When I asked you to)
Be cool about what I was tellin' you
You'd do the opposite of what you said you'd do (What you said you'd do)
And I'd end up more afraid
Don't say it isn't fair
You clearly weren't aware that you made me miserable
So if you really wanna know
When I'm away from you (When I'm away from you)
I'm happier than ever (Happier than ever)
Wish I could explain it better (Wish I could explain it better)
I wish it wasn't true, mm-mm
➤ zarin_tasnim_haider head -n 17 temp.txt | tail -n 13
Give me a day or two to think of something clever
To write myself a letter
To tell me what to do, mm-mm
Do you read my interviews?
Or do you skip my avenue?
When you said you were passin' through
Was I even on your way?
I knew when I asked you to (When I asked you to)
Be cool about what I was tellin' you
You'd do the opposite of what you said you'd do (What you said you'd do)
And I'd end up more afraid
Don't say it isn't fair
You clearly weren't aware that you made me miserable
```