

Assignment-2

NAME : E. SHYAM

ROLL NO : 422144

SECTION - A

|

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed '/32/d' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed -n '/32/d/' sed1.txt
```

```
sed: -e expression #1, char 6: extra characters after command
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed -n '/32/p/' sed1.txt
```

```
sed: -e expression #1, char 6: extra characters after command
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed -n '/32/p' sed1.txt
```

```
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed '/32/a\s10 em10 37000 30' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s10 em10 37000 30
s02 em3 32000 28
s10 em10 37000 30
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed 's/s01/01/' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed 's/s01/s01/' sed11.txt
```

```
sed: can't read sed11.txt: No such file or directory
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed 's/s01/s01/' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed 's/s01/s01/g' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
```



```
Neila Neila.Shirberg@yopmail.com
Pearline Pearline.Susannah@yopmail.com
Ayn Ayn.Drisko@yopmail.com
Fina Fina.Bandeen@yopmail.com
Wynne Wynne.Bigner@yopmail.com
Bernardine Bernardine.Amasa@yopmail.com
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk '{print $NF}' awk1.txt
```

```
profession
doctor
worker
doctor
doctor
firefighter
doctor
developer
officer
developer
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk '{print $0}' awk1.txt
```

```
id firstname lastname email email2 profession
10 Ezmeralda Stelle Ezmeralda.Stelle@yopmail.com Ezmeralda.Stelle@gmail.com doctor
11 Renie Atcliffe Renie.Atcliffe@yopmail.com Renie.Atcliffe@gmail.com worker
12 Ginnie Fosque Ginnie.Fosque@yopmail.com Ginnie.Fosque@gmail.com doctor
13 Neila Shirberg Neila.Shirberg@yopmail.com Neila.Shirberg@gmail.com doctor
14 Pearline Susannah Pearline.Susannah@yopmail.com Pearline.Susannah@gmail.com firefighter
15 Ayn Drisko Ayn.Drisko@yopmail.com Ayn.Drisko@gmail.com doctor
16 Fina Bandeen Fina.Bandeen@yopmail.com Fina.Bandeen@gmail.com developer
17 Wynne Bigner Wynne.Bigner@yopmail.com Wynne.Bigner@gmail.com police officer
18 Bernardine Amasa Bernardine.Amasa@yopmail.com Bernardine.Amasa@gmail.com developer
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk '/doctor/{print $0}' awk1.txt
```

```
10 Ezmeralda Stelle Ezmeralda.Stelle@yopmail.com Ezmeralda.Stelle@gmail.com doctor
12 Ginnie Fosque Ginnie.Fosque@yopmail.com Ginnie.Fosque@gmail.com doctor
13 Neila Shirberg Neila.Shirberg@yopmail.com Neila.Shirberg@gmail.com doctor
15 Ayn Drisko Ayn.Drisko@yopmail.com Ayn.Drisko@gmail.com doctor
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk '{print NR,$0}' awk1.txt
```

```
1 id firstname lastname email email2 profession
2 10 Ezmeralda Stelle Ezmeralda.Stelle@yopmail.com Ezmeralda.Stelle@gmail.com doctor
3 11 Renie Atcliffe Renie.Atcliffe@yopmail.com Renie.Atcliffe@gmail.com worker
4 12 Ginnie Fosque Ginnie.Fosque@yopmail.com Ginnie.Fosque@gmail.com doctor
5 13 Neila Shirberg Neila.Shirberg@yopmail.com Neila.Shirberg@gmail.com doctor
6 14 Pearline Susannah Pearline.Susannah@yopmail.com Pearline.Susannah@gmail.com firefighter
7 15 Ayn Drisko Ayn.Drisko@yopmail.com Ayn.Drisko@gmail.com doctor
8 16 Fina Bandeen Fina.Bandeen@yopmail.com Fina.Bandeen@gmail.com developer
9 17 Wynne Bigner Wynne.Bigner@yopmail.com Wynne.Bigner@gmail.com police officer
10 18 Bernardine Amasa Bernardine.Amasa@yopmail.com Bernardine.Amasa@gmail.com developer
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```



```
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed '/32/d' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```

```
4
5
6
7
8
9
10
11
12
13
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk '{print $0}' awk1.txt
```

```
id firstname lastname email email2 profession
10 Ezmeralda Stelle Ezmeralda.Stelle@yopmail.com Ezmeralda.Stelle@gmail.com doctor
11 Renie Atcliffe Renie.Atcliffe@yopmail.com Renie.Atcliffe@gmail.com worker
12 Ginnie Fosque Ginnie.Fosque@yopmail.com Ginnie.Fosque@gmail.com doctor
13 Neila Shirberg Neila.Shirberg@yopmail.com Neila.Shirberg@gmail.com doctor
14 Pearline Susannah Pearline.Susannah@yopmail.com Pearline.Susannah@gmail.com firefighter
15 Ayn Drisko Ayn.Drisko@yopmail.com Ayn.Drisko@gmail.com doctor
16 Fina Bandeen Fina.Bandeen@yopmail.com Fina.Bandeen@gmail.com developer
17 Wynne Bigner Wynne.Bigner@yopmail.com Wynne.Bigner@gmail.com police officer
18 Bernardine Amasa Bernardine.Amasa@yopmail.com Bernardine.Amasa@gmail.com developer
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk 'function square(x0 {return x*x} {print square($4)}}' awk1.txt
awk: line 1: syntax error at or near {
awk: line 1: return outside function body
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk 'function square(x0 {return x*x} {print square($1)}}' awk1.txt
awk: line 1: syntax error at or near {
awk: line 1: return outside function body
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk 'function square(x) {return x*x} {print square($1)}}' awk1.txt
```

```
0
100
121
144
169
196
225
256
289
324
0
0
0
0
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```



```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ ls \ cpio -ov > archive.cpio
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ ls | cpio -ov > archive.cpio
archive.cpio
awk1.txt
Screenshot from 2024-02-28 14-38-46.png
Screenshot from 2024-02-28 14-41-25.png
Screenshot from 2024-02-28 15-01-42.png
Screenshot from 2024-02-28 15-13-49.png
Screenshot from 2024-02-28 15-15-37.png
Screenshot from 2024-02-28 15-16-59.png
Screenshot from 2024-02-28 15-19-59.png
Screenshot from 2024-02-28 15-29-42.png
sed1.txt
2251 blocks
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cpio -iv < archive1.txt
bash: archive1.txt: No such file or directory
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cpio -id < archieve.cpio
bash: archieve.cpio: No such file or directory
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cpio -id < archive.cpio
cpio: archive.cpio not created: newer or same age version exists
cpio: awk1.txt not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 14-38-46.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 14-41-25.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-01-42.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-13-49.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-15-37.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-16-59.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-19-59.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-29-42.png not created: newer or same age version exists
cpio: sed1.txt not created: newer or same age version exists
2251 blocks
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cpio -it < archive.cpio
archive.cpio
awk1.txt
Screenshot from 2024-02-28 14-38-46.png
Screenshot from 2024-02-28 14-41-25.png
Screenshot from 2024-02-28 15-01-42.png
Screenshot from 2024-02-28 15-13-49.png
Screenshot from 2024-02-28 15-15-37.png
Screenshot from 2024-02-28 15-16-59.png
Screenshot from 2024-02-28 15-19-59.png
Screenshot from 2024-02-28 15-29-42.png
sed1.txt
2251 blocks
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```



```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ tar -cvf archive.tar
tar: Cowardly refusing to create an empty archive
Try 'tar --help' or 'tar --usage' for more information.
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ tar -cvf archive.tar awk1.txt
awk1.txt
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ tar -xvf archive.tar
awk1.txt
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ tar -cvzf archive.tar.gz awk1.txt
awk1.txt
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ tar -xvzf archive.tar.gz
awk1.txt
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ tar -tvf archive.tar
-rw-rw-r-- student/student 755 2024-02-28 14:44 awk1.txt
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ tar -xvf archive.txt awk1.txt
tar: archive.txt: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```



```
cpio: archive.cpio not created: newer or same age version exists
cpio: awk1.txt not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 14-38-46.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 14-41-25.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-01-42.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-13-49.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-15-37.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-16-59.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-19-59.png not created: newer or same age version exists
cpio: Screenshot from 2024-02-28 15-29-42.png not created: newer or same age version exists
cpio: sed1.txt not created: newer or same age version exists
```

2251 blocks

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cpio -it < archive.cpio
```

archive.cpio

awk1.txt

Screenshot from 2024-02-28 14-38-46.png

Screenshot from 2024-02-28 14-41-25.png

Screenshot from 2024-02-28 15-01-42.png

Screenshot from 2024-02-28 15-13-49.png

Screenshot from 2024-02-28 15-15-37.png

Screenshot from 2024-02-28 15-16-59.png

Screenshot from 2024-02-28 15-19-59.png

Screenshot from 2024-02-28 15-29-42.png

sed1.txt

2251 blocks

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat awk1.txt | cpio -ov > archive.cpio
```

cpio: id firstname lastname email email2 profession: Cannot stat: No such file or directory

cpio: 10 Ezmeralda Stelle Ezmeralda.Stelle@yopmail.com Ezmeralda.Stelle@gmail.com doctor: Cannot stat: No such file or directory

cpio: 11 Renie Atcliffe Renie.Atcliffe@yopmail.com Renie.Atcliffe@gmail.com worker: Cannot stat: No such file or directory

cpio: 12 Ginnie Fosque Ginnie.Fosque@yopmail.com Ginnie.Fosque@gmail.com doctor: Cannot stat: No such file or directory

cpio: 13 Neila Shirberg Neila.Shirberg@yopmail.com Neila.Shirberg@gmail.com doctor: Cannot stat: No such file or directory

cpio: 14 Pearline Susannah Pearline.Susannah@yopmail.com Pearline.Susannah@gmail.com firefighter: Cannot stat: No such file or directory

cpio: 15 Ayn Drisko Ayn.Drisko@yopmail.com Ayn.Drisko@gmail.com doctor: Cannot stat: No such file or directory

cpio: 16 Fina Bandeen Fina.Bandeen@yopmail.com Fina.Bandeen@gmail.com developer: Cannot stat: No such file or directory

cpio: 17 Wynne Bigner Wynne.Bigner@yopmail.com Wynne.Bigner@gmail.com police officer: Cannot stat: No such file or directory

cpio: 18 Bernardine Amasa Bernardine.Amasa@yopmail.com Bernardine.Amasa@gmail.com developer: Cannot stat: No such file or directory

cpio: blank line ignored

cpio: blank line ignored

cpio: blank line ignored

1 block

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cpio -ivd -E aw < archive.cpio
```

cpio: aw: Cannot open: No such file or directory

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cpio -ivd -E "aw" < archive.cpio
```

cpio: aw: Cannot open: No such file or directory

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```



```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed -i 's/s01/01/' sed1.txt
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed 's/01/s01/' sed1.txt
```

```
s01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```



```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed '/32/d' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ cat sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed -n '/32/d/' sed1.txt
```

```
sed: -e expression #1, char 6: extra characters after command
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed -n '/32/p/' sed1.txt
```

```
sed: -e expression #1, char 6: extra characters after command
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed -n '/32/p' sed1.txt
```

```
s08 em8 32000 28
s02 em3 32000 28
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ sed '/32/a\s10 em10 37000 30' sed1.txt
```

```
01 em1 10000 25
s02 em2 12000 24
s03 em3 11020 22
s04 em4 13000 23
s05 em5 19000 26
s06 em6 20000 25
s07 em7 25000 27
s08 em8 32000 28
s10 em10 37000 30
s02 em3 32000 28
s10 em10 37000 30
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk '{print $2,$4}' awk1.txt
```

```
firstname email
```

```
Ezmeralda Ezmeralda.Stelle@yopmail.com
```

```
Renie Renie.Atcliffe@yopmail.com
```

```
Ginnie Ginnie.Fosque@yopmail.com
```

```
Neila Neila.Shirberg@yopmail.com
```

```
Pearline Pearline.Susannah@yopmail.com
```

```
Ayn Ayn.Drisko@yopmail.com
```

```
Fina Fina.Bandeen@yopmail.com
```

```
Wynne Wynne.Bigner@yopmail.com
```

```
Bernardine Bernardine.Anasa@yopmail.com
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$ awk '{print $NF}' awk1.txt
```

```
profession
```

```
doctor
```

```
worker
```

```
doctor
```

```
doctor
```

```
firefighter
```

```
doctor
```

```
developer
```

```
officer
```

```
developer
```

```
(base) student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422157/unix-lab/week4$
```