

NAME: K. SAI KRISHNA

ROLL NO: 422170

SECTION: A

Write shell script for searching various patterns using grep,pr,head,tail,cut,paste,sort,uniq and tr

1) Pr- command

```
Activities Terminal Feb 14 15:01 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -a numbers.txt

2024-02-14 14:20          numbers.txt          Page 1

1
2
3
4
5
6
7
8
9
10
```

```
Activities Terminal Feb 14 15:00 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

pr: umbers.txt: No such file or directory
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -f numbers.txt

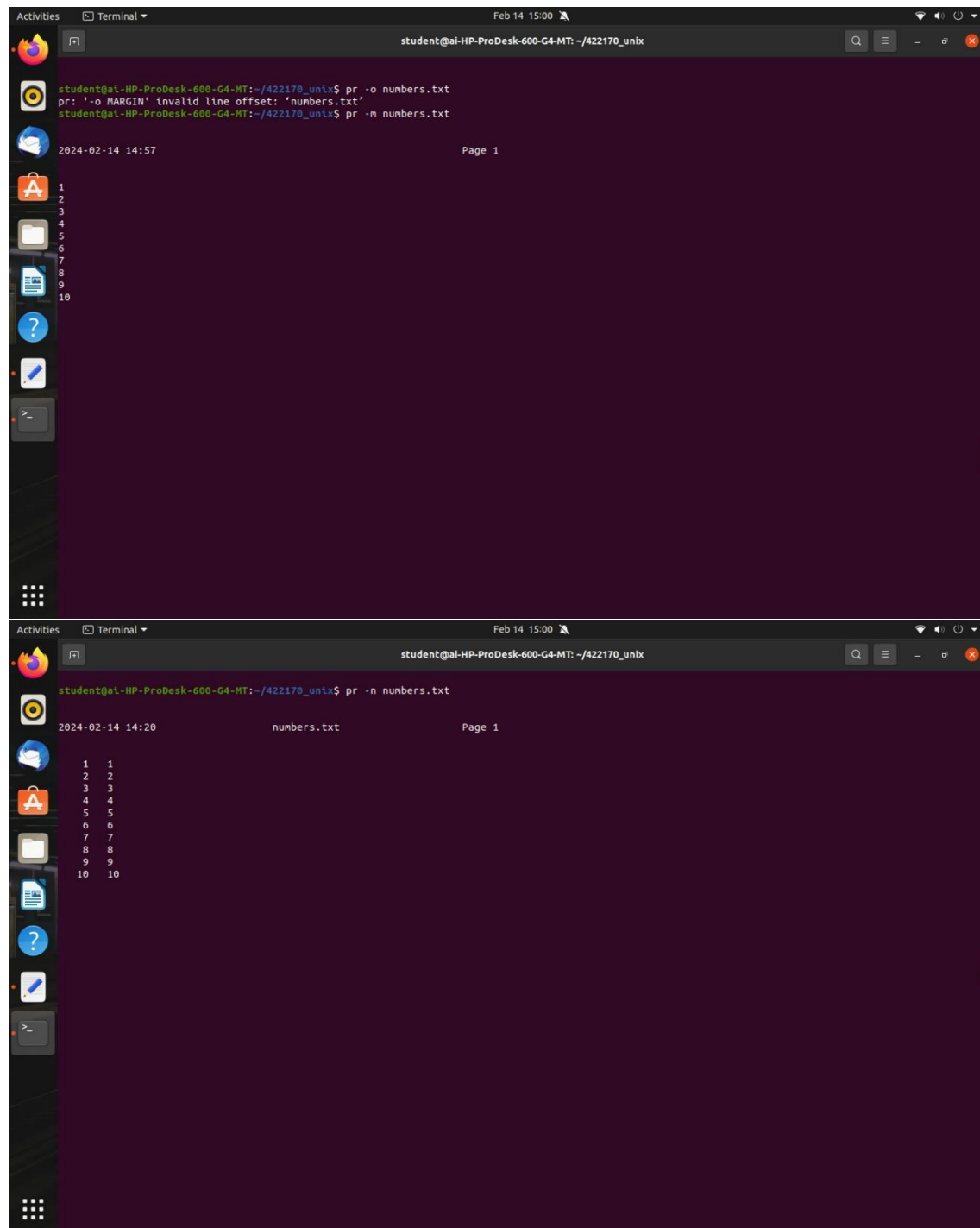
2024-02-14 14:20          numbers.txt          Page 1

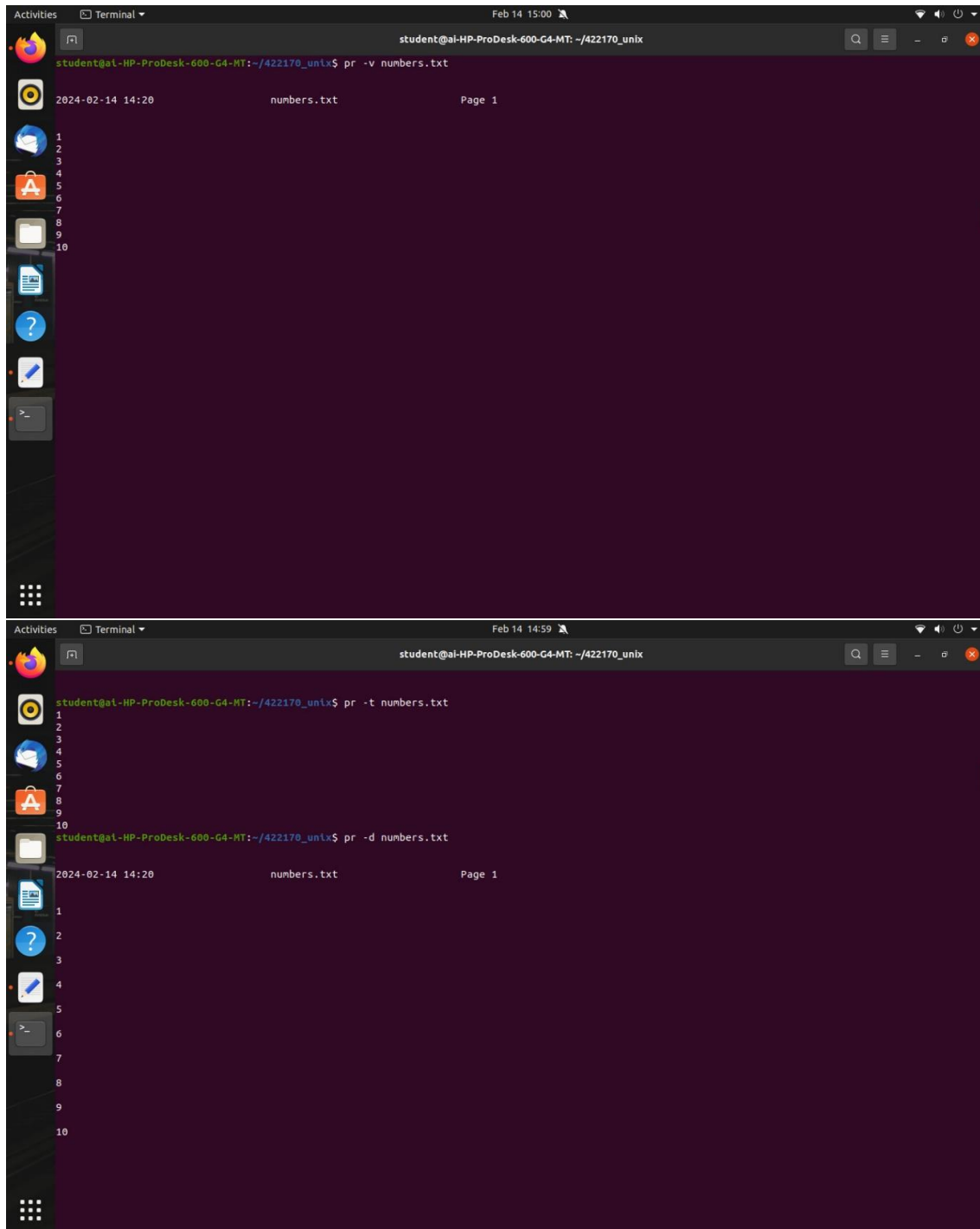
1
2
3
4
5
6
7
8
9
10

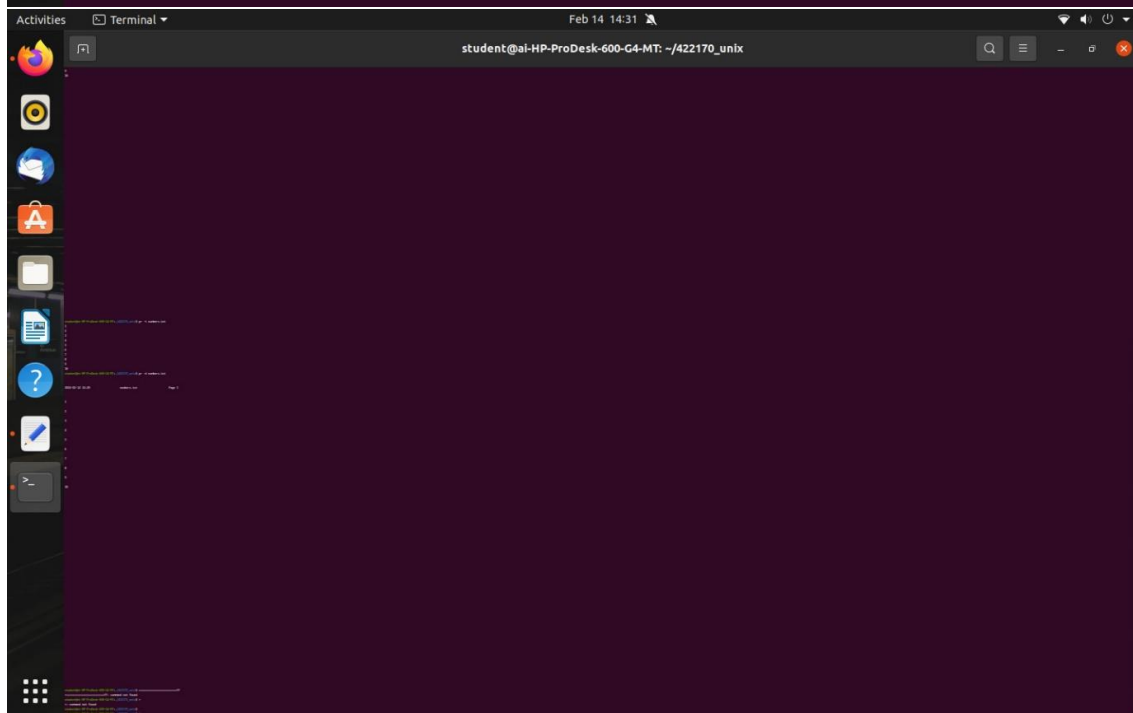
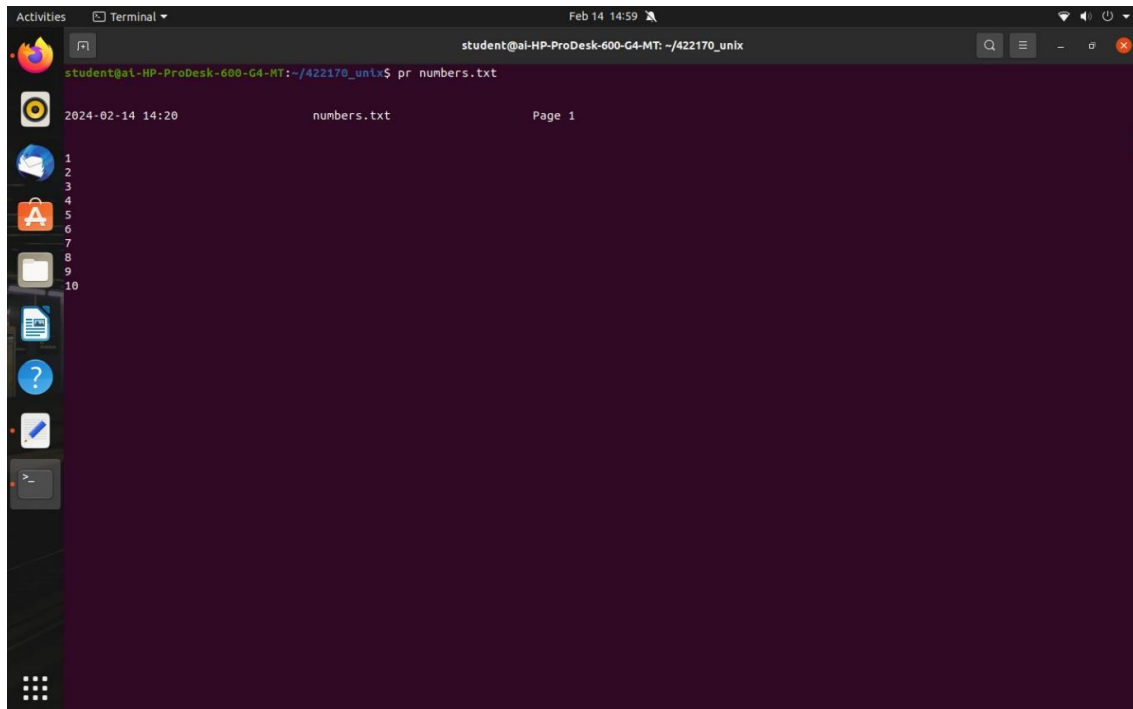
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -r numbers.txt

2024-02-14 14:20          numbers.txt          Page 1

1
2
3
4
5
6
7
8
9
10
```







```
Activities Terminal Feb 14 14:56 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr --version
pr (GNU coreutils) 8.30
Copyright (C) 2018 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

..
Written by Pete TerMaat and Roland Huebner.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -x number

Activities Terminal Feb 14 15:07 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -h numbers.txt
^C
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -N numbers.txt
pr: '-N NUMBER' invalid starting line number: 'numbers.txt'
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -D numbers.txt
15-02-2024

numbers.txt Page 1

15-02-2024
14-02-2024
14-02-2024

23:24
23:24

^C
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -D numbers.txt
14-02-2024

numbers.txt Page 1

14-02-2024
^[[^C
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
```

```
Activities Terminal Feb 14 15:08 student@ai-HP-ProDesk-600-G4-MT: ~/422170_unix
pr: '-N NUMBER' invalid starting line number: 'numbers.txt'
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -D numbers.txt
15-02-2024
numbers.txt Page 1
15-02-2024
14-02-2024
14-02-2024
23:24
23:24
^C
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -D numbers.txt
14-02-2024
numbers.txt Page 1
14-02-2024
^C
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -h numbers.txt
this is a number file
2024-02-14 15:07 numbers.txt Page 1
this is a number file
^C
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$
```

```
Activities Terminal Feb 14 15:01 student@ai-HP-ProDesk-600-G4-MT: ~/422170_unix
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ pr -e numbers.txt
2024-02-14 14:20 numbers.txt Page 1
1
2
3
4
5
6
7
8
9
10
```

2) head – command

```
Activities Terminal Feb 14 15:16 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ head numbers.txt > num.txt
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cat num.txt
1
2
3
4
5
6
7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ head -q cities.txt
London
new delhi
numbat
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ head -z cities.txt
London
new delhi
numbat
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san fransisco
los angeles
chicago
canberra
cape town
cape town
London
London

Activities Terminal Feb 14 15:16 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

London
London
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ head -n 2 cities.txt
London
new delhi
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ head -c 30 cities.txt
London
new delhi
numbat
canberstudent@al-HP-ProDesk-600-G4-MT:~/422170_unix$ head -v cities.txt
==> cities.txt <==
London
new delhi
numbat
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ head cities.txt numbers.txt
==> cities.txt <==
London
new delhi
numbat
canberra
sydney
new jersey
new york
cape town
chile
hyderabad

==> numbers.txt <==
1
2
3
4
5
6
7
8
9
```



```
Activities Terminal Feb 14 15:16 student@ai-HP-ProDesk-600-G4-MT: ~/422170_unix

student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ head --help
Usage: head [OPTION]... [FILE]...
Print the first 10 lines of each FILE to standard output.
With more than one FILE, precede each with a header giving the file name.

With no FILE, or when FILE is -, read standard input.

Mandatory arguments to long options are mandatory for short options too.
-c, --bytes=[-]NUM      print the first NUM bytes of each file;
                        with the leading '-', print all but the last
                        NUM bytes of each file
-n, --lines=[-]NUM      print the first NUM lines instead of the first 10;
                        with the leading '-', print all but the last
                        NUM lines of each file
-q, --quiet, --silent   never print headers giving file names
-v, --verbose           always print headers giving file names
-z, --zero-terminated   line delimiter is NUL, not newline
--help                 display this help and exit
--version              output version information and exit

NUM may have a multiplier suffix:
b 512, kB 1000, K 1024, MB 1000*1000, M 1024*1024,
GB 1000*1000*1000, G 1024*1024*1024, and so on for T, P, E, Z, Y.

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation at: <https://www.gnu.org/software/coreutils/head>
or available locally via: info '(coreutils) head invocation'
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ cat cities.txt
London
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
canberra
cape town
cape town
London
London
```

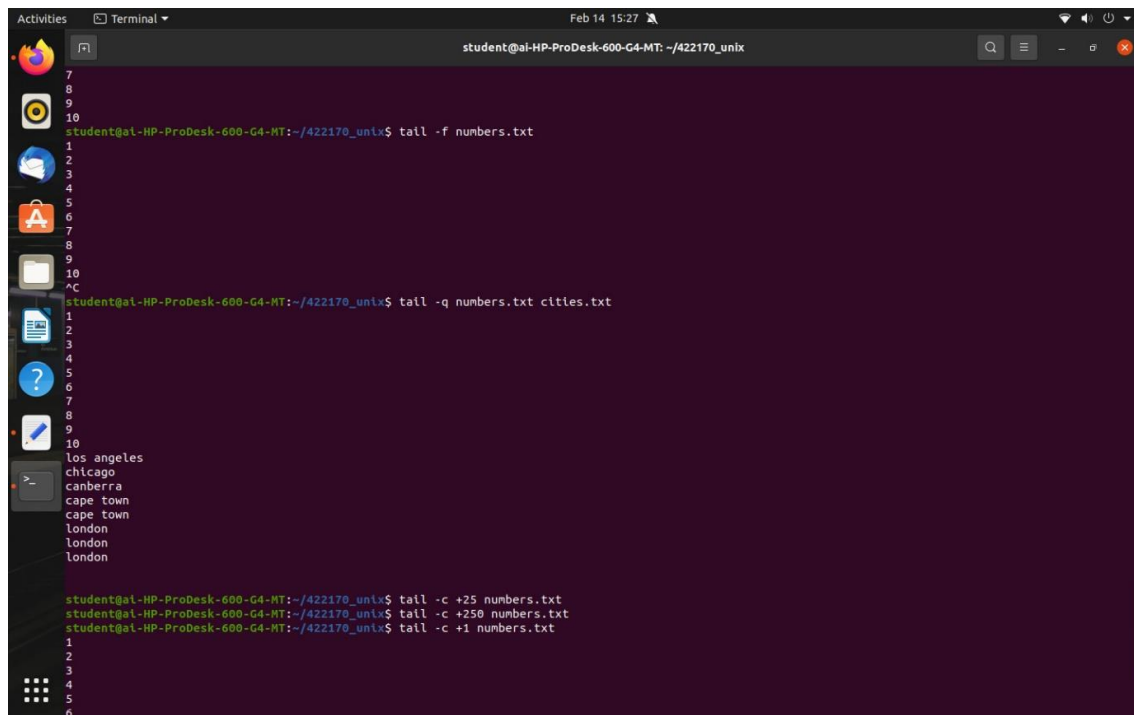
### 3)tail-command

```
Activities Terminal Feb 14 15:27 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -q numbers.txt cities.txt
1
2
3
4
5
6
7
8
9
10
los angeles
chicago
canberra
cape town
cape town
london
london
london

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -c +25 numbers.txt
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -c +250 numbers.txt
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -c +1 numbers.txt
1
2
3
4
5
6
7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -c +5 numbers.txt
3
4
5
6
7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$

or available locally via: info '(coreutils) tail invocation'
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail +5 numbers.txt
5
6
7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -n 6 numbers.txt
5
6
7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -v numbers.txt
==> numbers.txt <==
1
2
3
4
5
6
7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -q numbers.txt
1
2
3
4
5
6
7
8
9
10
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail numbers.txt
1
2
3
4
5
6
7
```



The image shows a terminal window on a Linux system. The window title is "student@al-HP-ProDesk-600-G4-MT: ~/422170\_unix". The terminal output shows the following commands and results:

```
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -f numbers.txt
1
2
3
4
5
6
7
8
9
10
^C
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -q numbers.txt cities.txt
1
2
3
4
5
6
7
8
9
10
los angeles
chicago
canberra
cape town
cape town
london
london
london

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -c +25 numbers.txt
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -c +250 numbers.txt
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ tail -c +1 numbers.txt
1
2
3
4
5
6
```

4)cut – command

```
Activities Terminal Feb 14 15:40 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation at: <https://www.gnu.org/software/coreutils/cut>
or available locally via: info '(coreutils) cut invocation'
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cat cities.txt
london
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
canberra
cape town
cape town
london
london
london

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -b 1,2,3 cities.txt
lon
new
mun
can
syd
new
new
cap
chi
hyd
san
los
chi
can
cap
cap
lon
lon
lon

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -c 4-8 cities.txt
don
delh
bat
berra
ney
jers
york
e tow
le
eraba
fran
ange
cago
berra
e tow
e tow
don
don
don

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -f 1 cities.txt
london
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
canberra
cape town
cape town
london
london
london
```

```
Activities Terminal Feb 14 15:40 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

lon

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -b 4 cities.txt
d
b
b
n
e
l
e
c
b
e
e
d
d
d

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -b -4 cities.txt
lon
new
munb
canb
sydn
new
new
cape
chil
hyde
san
los
chic
canb
cape
cape
lond
lond
lond
lond
```

```
Activities Terminal Feb 14 15:40 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -d " " -f 1 cities.txt
london
new
munbai
canberra
sydney
new
new
cape
chile
hyderabad
san
los
chicago
canberra
cape
cape
london
london
london
```

```
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut n cities.txt
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut n 20 cities.txt
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut n 2-10 cities.txt
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut n +10 cities.txt
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut s cities.txt
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -n 1,3,5 cities.txt
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cut -z cities.txt
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
```

5) paste – command

```
Activities Terminal Feb 14 15:45 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

9 chile
10 hyderabad
san francisco
los angeles
chicago
canberra
cape town
cape town
london
london
london

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ paste -d "|" numbers.txt cities.txt
1|london
2|new delhi
3|mumbai
4|canberra
5|sydney
6|new jersey
7|new york
8|cape town
9|chile
10|hyderabad
|san francisco
|los angeles
|chicago
|canberra
|cape town
|cape town
|london
|london
|london
|

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ paste -s ":" numbers.txt cities.txt
1 2 3 4 5 6 7 8 9 10
london new delhi mumbai canberra sydney new jersey new york cape town chile hyderabad san francisco los an
geles chicago canberra cape town cape town london london london
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ paste -s -d ":" numbers.txt cities.txt
1:2:3:4:5:6:7:8:9:10
london:new delhi:mumbai:canberra:sydney:new jersey:new york:cape town:chile:hyderabad:san francisco:los angeles:chicago:canberra:cape town:cape town:l
ondon:london:london:
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$

Activities Terminal Feb 14 15:45 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

or available locally via: info '(coreutils) paste invocation'
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ paste numbers.txt cities.txt
1 london
2 new delhi
3 mumbai
4 canberra
5 sydney
6 new jersey
7 new york
8 cape town
9 chile
10 hyderabad
san francisco
los angeles
chicago
canberra
cape town
cape town
london
london
london

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ paste -d "|" numbers.txt cities.txt
1|london
2|new delhi
3|mumbai
4|canberra
5|sydney
6|new jersey
7|new york
8|cape town
9|chile
10|hyderabad
|san francisco
|los angeles
|chicago
|canberra
|cape town
|cape town
|london
|london
|london
|

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ paste -s ":" numbers.txt cities.txt
```

```
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ paste -z numbers.txt cities.txt
1
2
3
4
5
6
7
8
9
10
    london
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
canberra
cape town
cape town
london
london
london
```

5)uniq-command

```
Activities Terminal Feb 14 16:00 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -l cities.txt
London
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
cape town
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -D cities.txt
London
London
canberra
canberra
cape town
cape town
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -f 3 cities.txt
London
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -s 10 cities.txt
London
san francisco
los angeles
chicago
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -w 5 cities.txt
London
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
cape town
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$

cities.txt: command not found
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cat cities.txt
London
London
new delhi
mumbai
canberra
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
cape town
cape town
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq cities.txt
London
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
cape town
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -c cities.txt
 2 London
 1 new delhi
 1 mumbai
 2 canberra
 1 sydney
 1 new jersey
 1 new york
 1 cape town
 1 chile
 1 hyderabad
 1 san francisco
```



```
Activities Terminal Feb 14 16:00 student@ai-HP-ProDesk-600-G4-MT: ~/422170_unix

1 san francisco
1 los angeles
1 chicago
2 cape town
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -d cities.txt
london
canberra
cape town
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -u cities.txt
new delhi
mumbai
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -i cities.txt
london
new delhi
mumbai
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
cape town
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -D cities.txt
london
london
canberra
canberra
cape town
cape town
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -f 3 cities.txt
london
student@ai-HP-ProDesk-600-G4-MT:~/422170_unix$ uniq -s 10 cities.txt
london
```

7)tr – command

```
Activities Terminal Feb 14 16:11 student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

CANBERRA
CANBERRA
SYDNEY
NEW JERSEY
NEW YORK
CAPE TOWN
CHILE
HYDERABAD
SAN FRANCISCO
LOS ANGELES
CHICAGO
CAPE TOWN
CAPE TOWN
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cat cities.txt |tr " " "|"
London
London
newdelhi
mumbai
canberra
canberra
sydney
newjersey
newyork
capetown
chile
hyderabad
sanfrancisco
losangeles
chicago
capetown
capetown
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo " welcome to shell scripting" |tr -d e
wlcom to shll scripting
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo "my id is 12345" |tr -d [:digit:]
my id is
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo "my id is 12345" |tr -d [:alpha:]
12345
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo "my id is 12345" |tr -d [:upper:]
My id is 12345
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo "my id is 12345" |tr -d [:blank:]
myids12345
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo " welcome to shell scripting" |tr -s " "
welcome to shell scripting
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo " welcome to shell scripting" |tr [:space:] "\t"
welcome to      shell      scripting      student@al-HP-ProDesk-600-G4-MT:~/422170_unix$

specified SET, and occurs after translation or deletion.
GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation at: <https://www.gnu.org/software/coreutils/tr>
or available locally via: info '(coreutils) tr invocation'
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cat cities.txt |tr [a-z] [A-Z]
LONDON
LONDON
NEW DELHI
MUMBAI
CANBERRA
CANBERRA
SYDNEY
NEW JERSEY
NEW YORK
CAPE TOWN
CHILE
HYDERABAD
SAN FRANCISCO
LOS ANGELES
CHICAGO
CAPE TOWN
CAPE TOWN
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cat cities.txt |tr " " "|"
London
London
newdelhi
mumbai
canberra
canberra
sydney
newjersey
newyork
capetown
chile
hyderabad
sanfrancisco
losangeles
chicago
capetown
capetown
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo " welcome to shell scripting" |tr -d e
wlcom to shll scripting
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo "my id is 12345" |tr -d [:digit:]
my id is
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ echo "my id is 12345" |tr -d [:alpha:]
```

8) grep – command

```
Activities Terminal Feb 14 16:31
student@al-HP-ProDesk-600-G4-MT: ~/422170_unix

student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -l "mumbai" cities.txt numbers.txt
cities.txt
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -o "an" cities.txt
an
an
an
an
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -v "an" cities.txt
london
london
new delhi
mumbai
sydney
new jersey
new york
cape town
chile
hyderabad
chicago
cape town
cape town
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep "^lo" cities.txt
london
london
los angeles
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -A1 london cities.txt
london
london
new delhi
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -x "london" cities.txt
london
london
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -iR chicago /422170_unix
grep: /422170_unix: No such file or directory
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -iR chicago /home/422170_unix
grep: /home/422170_unix: No such file or directory
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -B1 chicago cities.txt
los angeles
chicago
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -C1 chicago cities.txt
1
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$

Report bugs to: bug-grep@gnu.org
GNU grep home page: <http://www.gnu.org/software/grep/>
General help using GNU software: <https://www.gnu.org/gethelp/>
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ cat cities.txt
london
london
new delhi
mumbai
canberra
canberra
sydney
new jersey
new york
cape town
chile
hyderabad
san francisco
los angeles
chicago
cape town
cape town
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -l "can" cities.txt
canberra
canberra
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -c "canberra" cities.txt
2
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -w "london" cities.txt
london
london
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -0 "london" cities.txt
london
london
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -n "london" cities.txt
1:london
2:london
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -l "mumbai" cities.txt numbers.txt
cities.txt
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ grep -o "an" cities.txt
an
an
an
an
```

9) sort – command

```
Activities Terminal Feb 14 16:43
student@al-HP-ProDesk-600-G4-MT: ~/422170_unix
student@al-HP-ProDesk-600-G4-MT: ~/422170_unix
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -V cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -i cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$
sort: cities.txt:4: disorder: mumbai
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -u cities.txt
canberra
cape town
chicago
chile
hyderabad
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -R cities.txt
sydney
hyderabad
chile
san francisco
canberra
canberra
new delhi
new jersey
chicago
new york
los angeles
london
london
cape town
cape town
cape town
mumbai
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -b cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
```

```
Activities Terminal Feb 14 16:43
student@al-HP-ProDesk-600-G4-MT: ~/422170_unix
Full documentation at: <https://www.gnu.org/software/coreutils/sort>
or available locally via: info '(coreutils) sort invocation'
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -r cities.txt
sydney
san francisco
new york
new jersey
new delhi
mumbai
los angeles
london
london
hyderabad
chile
chicago
cape town
cape town
cape town
canberra
canberra
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -n cities.txt
canberra
canberra
cape town
cape town
cape town
canberra
canberra
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -b cities.txt
canberra
canberra
cape town
cape town
cape town
canberra
canberra
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -t. cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -nr cities.txt
sydney
san francisco
new york
new jersey
new delhi
mumbai
los angeles
london
london
hyderabad
chile
chicago
cape town
cape town
cape town
canberra
canberra
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -c cities.txt
sort: cities.txt:4: disorder: mumbai
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -u cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
```

Activities Terminal Feb 14 16:43 student@al-HP-ProDesk-600-G4-MT: ~/422170\_unix

student@al-HP-ProDesk-600-G4-MT: ~/422170\_unix

```
cape town
cape town
mumbai
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -b cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -V cities.txt
canberra
canberra
cape town
cape town
cape town
chicago
chile
hyderabad
london
london
los angeles
mumbai
new delhi
new jersey
new york
san francisco
sydney
student@al-HP-ProDesk-600-G4-MT:~/422170_unix$ sort -l cities.txt
canberra
canberra
cape town
cape town
```