



SHELL PROGRAMMING LAB

ASSIGNMENT -3

SUBMITTED BY:

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SUBMITTED TO:

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Activity 1:

a) b)

```
root@kali:~# cat f1.txt
10
2
19
22
6
root@kali:~# sort -n f1.txt
2
6
10
19
22
root@kali:~#
```

c)

```
root@Ayush500086400:~# ls
Desktop          f1.txt          NoOfLines.txt   Templates
Documents        f2.txt          Pictures         typescript
Downloads        file.txt        Public          Videos
embedded-browser-no-sandbox.json Music          sorted_text.txt
root@Ayush500086400:~# echo newfile > new.txt
root@Ayush500086400:~# ls
Desktop          f1.txt          new.txt          sorted_text.txt
Documents        f2.txt          NoOfLines.txt   Templates
Downloads        file.txt        Pictures         typescript
embedded-browser-no-sandbox.json Music          Public          Videos
root@Ayush500086400:~# cat new.txt
newfile
root@Ayush500086400:~#
root@Ayush500086400:~# echo secondline >> new.txt
root@Ayush500086400:~# cat new.txt
newfile
secondline
root@Ayush500086400:~#
```

tee command

```
root@Ayush500086400:~# cat f1.txt
10
2
19
22
6
root@Ayush500086400:~# sort -n f1.txt | tee new.txt
2
6
10
19
22
```

Activity 2:

a) b)

```
root@Ayush500086400:~/Desktop/test# cat file.txt
Tiger
Zebra
Lion
Elephant
Bison
root@Ayush500086400:~/Desktop/test# sort file.txt >> sorted_text.txt
root@Ayush500086400:~/Desktop/test# cat sorted_text.txt
Bison
Elephant
Lion
Tiger
Zebra
root@Ayush500086400:~/Desktop/test#
```

c)

```
root@Ayush500086400:~/Desktop/test# head -3 file.txt >> demo1.txt
root@Ayush500086400:~/Desktop/test# cat demo1.txt
Tiger
Zebra
Lion
root@Ayush500086400:~/Desktop/test#
```

d)

```
root@Ayush500086400:~/Desktop/test# tail -2 file.txt >> demo1.txt
root@Ayush500086400:~/Desktop/test# cat demo1.txt
Tiger
Zebra
Lion
Elephant
Bison
root@Ayush500086400:~/Desktop/test#
```

e)

```
root@Ayush500086400:~/Desktop/test# wc -l *.txt | sort -n >> NoOfLines.txt
root@Ayush500086400:~/Desktop/test# cat NoOfLines.txt
 5 demo1.txt
 5 f1.txt
 5 file.txt
 5 new.txt
 5 sorted_text.txt
 5 text.txt
30 total
```

Activity 3:

A) B)

```
root@Ayush500086400:~/Desktop/test# cat Activity.txt
2012-11-05, deer, 5
2012-11-05, rabbit, 22
2012-11-05, raccoon,7
2012-11-06, rabbit,19
2012-11-06, deer, 2
2012-11-06, fox,4
2012-11-07, rabbit,16
2012-11-07, bear, 1
root@Ayush500086400:~/Desktop/test# cut -d "," -f 2 Activity.txt | sort | uniq
bear
deer
fox
rabbit
raccoon
root@Ayush500086400:~/Desktop/test#
```