

UNIX COMMANDS ASSIGNMENTS ADVANCED

2

- 1) move file-name
- 2) head -10 file-name
- 3) tail -10 file-name
- 4) tail -f file-name
- 5) ls -la | head -10 > data.txt
- 6) ls -la | tail -10 >> data.txt
- 7) sort data.txt
- 8) sort -n data.txt
- 9) wc -l data.txt
- 10) wc -w data.txt
- 11) wc -c data.txt
- 12) ~~data~~ tail -3 data.txt
- 13) man grep
- 14) cat data.txt | grep "~~new~~new"
- 15) cat data.txt | grep ^"new"
- 16) cat data.txt | grep -i abc
- 17) cat data.txt | grep abc | head -3
- 18) cat data.txt | grep -c abc

19) ~~cat plato-republic.txt | grep ^"Republic"~~

1a) grep ^"Republic" plato-republic.txt

20) grep -r "Rep" plato-republic.txt

21) grep "Republic" plato-republic.txt | wc -l

22) grep ^[AaBb] plato-republic.txt

23) grep ^[^AaBb] plato-republic.txt

24) grep '(http|https|www)(.|\:|/|) [a-zA-Z0-9.!?=-]*'

25) ls -la | grep "nd" plato-republic.txt

26) ls -lh /etc

27) find . -perm -g+wo

28) find /home ~~name~~ -group *

29) find -perm -x | wc -l

30) ls /etc •

31) ls *.conf

32) ls *.???

33)

34) ls ????.*

35) ^{Activities (manage data)} head -2 plato-republic.txt

36) tail -3 /etc/ntp.conf

37) sort plato-republic.txt

38) nl plato-republic.txt

39) nl -b plato-republic.txt

- 40) wc /etc/mug.conf
- 41) wc -l /etc/mug.conf
- 42) cat -b 1-3 plato-republic.txt
- 43) sed 's/republic/egg/' plato-republic.txt
- 44) uniq plato-republic.txt
- 45) uniq -c plato-republic.txt
- 46) tac new.txt data.txt
- 47) tac -b new.txt data.txt

~~Activities (manage data)~~ Activities (identify info)

- 48) grep "republic" plato-republic.txt
- 49) egrep republic plato-republic.txt
- 50) egrep -c republic plato-republic.txt

vi editor

- 51) vi edit
- 52) cat edit
- 53) less edit
- 54) vi edit
- 55) less edit
- 56) 5x, dd, d5

Permissions

- 57) `ls -l /home/ec2-user/new.txt`
- 58) `ls -l new.txt`
- 59) `chmod g+r new.txt`
- 60) `ls -l new.txt`
- 61) `chmod g-r new.txt`
- 62) `ls -l new.txt`
- 63) `chmod o+wx new.txt`
- 64) `chmod 222 new.txt`
- 65) `mkdir test`
- 66) `chmod 400 test`
- 67) `ls -ld test`
- 68) `cd test`
- 69) `ls test`
- 70) `chmod 100 test`
- 71) `ls test`
- 72) `pwd`
- 73) `mkdir newtest`
- 74) `cd new_test`
- 75) `touch test-new.txt`
- 76) `ls test-new.txt`

77) chmod 410 test_new.txt

78) chmod o+r test_new.txt

79) chmod g-w test_new.txt

33) $ds - a \star [[:upper:]] \star$

```
[ec2-user@ip-172-31-46-226 ~]$ touch test.txt
[ec2-user@ip-172-31-46-226 ~]$ cat test.txt
[ec2-user@ip-172-31-46-226 ~]$ cat > test.txt
add some thing in to the file [ec2-user@ip-172-31-46-226 ~]$ more test.txt
add some thing in to the file
[ec2-user@ip-172-31-46-226 ~]$ cat >> test.txt
new line
new line
new line
new line
[ec2-user@ip-172-31-46-226 ~]$ head -2 test.txt
add some thing in to the file new line
new line
```

```
[ec2-user@ip-172-31-46-226 ~]$ tail -2 test.txt
new line
new line
[ec2-user@ip-172-31-46-226 ~]$ tail -f test.txt
add some thing in to the file new line
new line
new line
new line
```

```
[ec2-user@ip-172-31-46-226 ~]$ ls -la|head -10 >data.txt
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt
total 16
drwx----- 3 ec2-user ec2-user 106 Nov 11 12:24 .
drwxr-xr-x 3 root      root      22 Nov 11 12:06 ..
-rw-r--r-- 1 ec2-user ec2-user  18 Jul 15  2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15  2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15  2020 .bashrc
-rw-rw-r-- 1 ec2-user ec2-user   0 Nov 11 12:24 data.txt
drwx----- 2 ec2-user ec2-user  29 Nov 11 12:06 .ssh
-rw-rw-r-- 1 ec2-user ec2-user  66 Nov 11 12:19 test.txt
[ec2-user@ip-172-31-46-226 ~]$ █
```

```
[ec2-user@ip-172-31-46-226 ~]$ sort data.txt
drwx----- 2 ec2-user ec2-user  29 Nov 11 12:06 .ssh
drwx----- 3 ec2-user ec2-user 106 Nov 11 12:24 .
drwxr-xr-x 3 root      root      22 Nov 11 12:06 ..
-rw-r--r-- 1 ec2-user ec2-user  18 Jul 15  2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15  2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15  2020 .bashrc
-rw-rw-r-- 1 ec2-user ec2-user   0 Nov 11 12:24 data.txt
-rw-rw-r-- 1 ec2-user ec2-user  66 Nov 11 12:19 test.txt
total 16
[ec2-user@ip-172-31-46-226 ~]$ █
```

```
[ec2-user@ip-172-31-46-226 ~]$ wc -l data.txt
9 data.txt
[ec2-user@ip-172-31-46-226 ~]$ wc -w data.txt
74 data.txt
[ec2-user@ip-172-31-46-226 ~]$ wc -c data.txt
456 data.txt
[ec2-user@ip-172-31-46-226 ~]$ wc -n data.txt
wc: invalid option -- 'n'
Try 'wc --help' for more information.
[ec2-user@ip-172-31-46-226 ~]$ sort -n data.txt
drwx----- 2 ec2-user ec2-user 29 Nov 11 12:06 .ssh
drwx----- 3 ec2-user ec2-user 106 Nov 11 12:24 .
drwxr-xr-x 3 root      root      22 Nov 11 12:06 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
-rw-rw-r-- 1 ec2-user ec2-user  0 Nov 11 12:24 data.txt
-rw-rw-r-- 1 ec2-user ec2-user 66 Nov 11 12:19 test.txt
total 16
[ec2-user@ip-172-31-46-226 ~]$
```

```
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt | grep "ec2"
drwx----- 3 ec2-user ec2-user 106 Nov 11 12:24 .
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
-rw-rw-r-- 1 ec2-user ec2-user  0 Nov 11 12:24 data.txt
drwx----- 2 ec2-user ec2-user 29 Nov 11 12:06 .ssh
-rw-rw-r-- 1 ec2-user ec2-user 66 Nov 11 12:19 test.txt
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt | grep "^e"
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt | grep "^e"
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt | grep "^- "
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
-rw-rw-r-- 1 ec2-user ec2-user  0 Nov 11 12:24 data.txt
-rw-rw-r-- 1 ec2-user ec2-user 66 Nov 11 12:19 test.txt
```



```
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt | grep -i "-"
drwx----- 3 ec2-user ec2-user 106 Nov 11 12:24 .
drwxr-xr-x 3 root      root      22 Nov 11 12:06 ..
-rw-r--r-- 1 ec2-user ec2-user  18 Jul 15  2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15  2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15  2020 .bashrc
-rw-rw-r-- 1 ec2-user ec2-user   0 Nov 11 12:24 data.txt
drwx----- 2 ec2-user ec2-user  29 Nov 11 12:06 .ssh
-rw-rw-r-- 1 ec2-user ec2-user  66 Nov 11 12:19 test.txt
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt | grep -i "-"
> ^C
[ec2-user@ip-172-31-46-226 ~]$ cat data.txt | grep -i -
drwx----- 3 ec2-user ec2-user 106 Nov 11 12:24 .
drwxr-xr-x 3 root      root      22 Nov 11 12:06 ..
-rw-r--r-- 1 ec2-user ec2-user  18 Jul 15  2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15  2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15  2020 .bashrc
-rw-rw-r-- 1 ec2-user ec2-user   0 Nov 11 12:24 data.txt
drwx----- 2 ec2-user ec2-user  29 Nov 11 12:06 .ssh
-rw-rw-r-- 1 ec2-user ec2-user  66 Nov 11 12:19 test.txt
[ec2-user@ip-172-31-46-226 ~]$
```

```
[ec2-user@ip-172-31-46-226 ~]$ ls *.txt
data.txt  test.txt
[ec2-user@ip-172-31-46-226 ~]$ ls *.*??
data.txt  test.txt
[ec2-user@ip-172-31-46-226 ~]$ wc /etc/
wc: /etc/: Is a directory
    0      0      0 /etc/
[ec2-user@ip-172-31-46-226 ~]$
```

```
[ec2-user@ip-172-31-46-226 ~]$ chmod +x data.txt
[ec2-user@ip-172-31-46-226 ~]$ ls data.txt
data.txt
[ec2-user@ip-172-31-46-226 ~]$ ls -l data.txt
-rwxrwxr-x 1 ec2-user ec2-user 456 Nov 11 12:24 data.txt
[ec2-user@ip-172-31-46-226 ~]$ chmod -x data.txt
[ec2-user@ip-172-31-46-226 ~]$ ls -l data.txt
-rw-rw-r-- 1 ec2-user ec2-user 456 Nov 11 12:24 data.txt
[ec2-user@ip-172-31-46-226 ~]$ chmod u+x data.txt
[ec2-user@ip-172-31-46-226 ~]$ ls -l data.txt
-rwxrw-r-- 1 ec2-user ec2-user 456 Nov 11 12:24 data.txt
[ec2-user@ip-172-31-46-226 ~]$
```