Worksheet – 2.2

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1. Aim/Overview of the practical:

Create a file test file having 5 students' names. Now display first two names and last one name in file. Then display first 3 and last4 characters of file. Count the number of lines and characters in file individually and display content along with no of lines then sort the names in reverse dictionary order and save in file name as studentlist and in end display content of studentlist in upper case alphabets.

❖ **Create a file testfile**

    Syntax: cat >> filename

```
Loading...

Welcome to Fedora 33 (riscv64)

[root@localhost ~]# cat >> testfile
shiv
simran
kanish
raju
bhupender
lokesh[root@localhost ~]# cat testfile
shiv
simran
kanish
raju
bhupender
lokesh[root@localhost ~]#
```

❖ **Display first 2 and last 1 name in file.**
    Syntax: head -n no_of_lines file name

```
[root@localhost ~]# head -n 2 testfile
shiv
simran
[root@localhost ~]# tail -n -1 testfile
lokesh[root@localhost ~]#
```

❖ **Display first 3 and last 4 characters of file**

Syntax: head -c no_of_character filename

```
[root@localhost ~]# head -c 3 testfile
shi[root@localhost ~]#
[root@localhost ~]# tail -c -5 testfile
okesh[root@localhost ~]#
```

❖ **Count the number of lines and characters in file**

Syntax: wc -l filename **(for no of lines)**

Syntax: wc -c filename **(for number of characters)**

```
[root@localhost ~]# wc -l testfile
6 testfile
[root@localhost ~]# wc -c testfile
40 testfile
[root@localhost ~]#
```

❖ **Display content along with no of lines**

Syntax: nl filename

```
[root@localhost ~]# nl testfile
     1  shiv
     2  siman
     3  kanish
     4  raju
     5  bhupender
     6  lokesh
[root@localhost ~]#
```

❖ **Sort the names in reverse dictionary order and save in file name as studentlist. Syntax:**
sort -r filename > newfilename

```
[root@localhost ~]# sort -r testfile > studentlist
[root@localhost ~]# cat studentlist
siman
shiv
raju
lokesh
kanish
bhupender
[root@localhost ~]#
```

❖ **Display content of studentlist in upper case alphabets.**

Syntax : cat filename | tr [:lower] [:upper]

```
[root@localhost ~]# cat studentlist | tr [:lower:] [:upper:]
SIMAN
SHIV
RAJU
LOKESH
KANISH
BHUPENDER
[root@localhost ~]#
```