

LINUX ADMINISTRATION

Subject Code: 22CAP-607

Worksheet 2.2

Student Name: Sumit Saurav

UID:22MCA21058

Section / Group: PH22MCA-5_B

Semester: 1st

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Task::

Create a file test file having 5 students' names. now display the first two names and the last name in the file. Then display the first 3 and last 4 characters of the file. count the number of lines and characters in the file individually and display content along with the no. of lines then sort the names in reverse dictionary order and save in the file name as student list and in end display the content of the student list in upper case alphabet

Concept Used::

1. cat: is used to create, concatenate, and read a file
2. Ls: is used to list the file.
3. head: is used to get the words/lines from the top of the file.
4. tail: is used to get the words/lines from the bottom of the file.
5. WC: is used to get the count of characters of a file.

Steps::

1. Open the terminal by pressing Ctrl + Alt + T together.
2. Use the following commands to achieve desired Output.

\$ cat > abc.txt

\$ head -n2 abc.txt

\$ tail -n2 abc.txt

\$ wc -l abc.txt

\$ wc -c abc.txt

\$ wc -w abc.txt

\$ nl abc.txt

\$ nl abc.txt > list

\$ tail -r list

\$ tr a-z A-Z < list

Result / Output / Writing Summary::

```
/root# ls
test.lua  tests
/root# cat > abc.txt
Sumit Saurav
Sandeep Srivastava
Neel Patel
Sanoj Prasad
Brijmohan
^C
/root# head -n2 abc.txt
Sumit Saurav
Sandeep Srivastava
/root# tail -n2 abc.txt
Sanoj Prasad
Brijmohan
/root# wc -l abc.txt
5 abc.txt
/root# wc -c abc.txt
66 abc.txt
/root# wc -w abc.txt
9 abc.txt

ss@Sumits-MacBook-Air Pictures % nl abc.txt
 1 Sumit Saurav
 2 Sandeep Srivastava
 3 Neel Patel
 4 Sanoj Prasad
 5 Brijmohan
ss@Sumits-MacBook-Air Pictures % nl abc.txt > list
ss@Sumits-MacBook-Air Pictures % cat list
 1 Sumit Saurav
 2 Sandeep Srivastava
 3 Neel Patel
 4 Sanoj Prasad
 5 Brijmohan
ss@Sumits-MacBook-Air Pictures % tac list
zsh: command not found: tac
ss@Sumits-MacBook-Air Pictures % reverse list
zsh: command not found: reverse
ss@Sumits-MacBook-Air Pictures % tail -r list
 5 Brijmohan
 4 Sanoj Prasad
 3 Neel Patel
 2 Sandeep Srivastava
 1 Sumit Saurav
ss@Sumits-MacBook-Air Pictures % tr a-z A-Z < list
 1 SUMIT SAURAV
 2 SANDEEP SRIVASTAVA
 3 NEEL PATEL
 4 SANOJ PRASAD
 5 BRIJMOHAN
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MARKS EVALUATION

Sr. No.	Topics	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (PreLab Quiz)		5
2.	Worksheet		10
3.	PostLab Quiz		5