

Commonds

1. Change your password to a password you would like to use for the remainder of the semester.

passwd

2. Display the system's date.

date

3. Count the number of lines in the /etc/passwd file.

wc -l /etc/passwd

4. Find out who else is on the system.

who

5. Direct the output of the man pages for the date command to a file named mydate.

man date > mydate

6. Create a subdirectory called mydir.

mkdir mydir

7. Move the file mydate into the new subdirectory.

mv mydate mydir

8. Go to the subdirectory mydir and copy the file mydate to a new file called ourdate

cd mydir

cp mydate ourdate

9. List the contents of mydir.

ls

10. Do a long listing on the file ourdate and note the permissions.

ls -l ourdate

11. Display the name of the current directory starting from the root.

pwd

12. Move the files in the directory mydir back to your home directory.

mv mydate ourdate ..

13. Display the first 5 lines of mydate.

head -n 5 mydate

14. Display the last 8 lines of mydate.

tail -n 8 mydate

15. Remove the directory mydir.

rmdir mydir

16. Redirect the output of the long listing of files to a file named list.

ls -l > list

17. Select any 5 capitals of states in India and enter them in a file named capitals1. Choose 5 more capitals and enter them in a file named capitals2. Choose 5 more capitals and enter them in a file named capitals3. Concatenate all 3 files and redirect the output to a file named capitals.

Cat > capitals1

cat > capitals2

cat > capitals3

cat capitals1 capitals2 capitals3 > capitals

18. Concatenate the file capitals2 at the end of file capitals.

paste capitals2 >> capitals

cat capitals

19. Give read and write permissions to all users for the file capitals.

chmod a+rw capitals

ls -l capitals

20. Give read permissions only to the owner of the file capitals. Open the file, make some changes and try to save it. What happens ?

chmod o+r capitals

ls -l capitals

21. Create an alias to concatenate the 3 files capitals1, capitals2, capitals3 and redirect the output to a file named capitals. Activate the alias and make it run.

alias concat='cat capitals capitals2 capitals3'

concat > capitals

cat capitals

22. Find out the number of times the string "the" appears in the file mydate.

Grep -o -l "\bthe\b" mydate | wc -l

23. Find out the line numbers on which the string "date" exists in mydate.

grep -n "date" mydate

24. Print all lines of mydate except those that have the letter "i" in them.

grep -v "i" mydate

25. List the words of 4 letters from the file mydate.

grep -oE '\b\w{4}\b' mydate

26. List 5 states in north east India in a file mystates. List their corresponding capitals in a file mycapitals. Use the paste command to join the 2 files.

cat > mystates

cat > mycapitals

paste mystates mycapitals > mystate_capitals

cat mystates_capitals

27. Use the cut command to print the 1 st and 3 rd columns of the /etc/passwd file for all students in this class.

cut -d : -f 1,3 passwd

28. Count the number of people logged in and also trap the users in a file using the tee command.

who | tee logged_in_users

29. Convert the contents of mystates into uppercase.

cat mystates | tr '[:lower:]' '[:upper:]'

30. Create any two files & display the common values between them.

comm capitals capitals1