FILE MANAGEMENT COMMANDS

Aim

To write down the syntax and execute File Management commands cat, chmod, cp, mv, rm and more.

Procedure and Output

a) cat (concatenate)

This cat (concatenate) command is used to display the contents of the specified files.

Syntax:

Option	Description		
-S	Suppresses repeated empty output lines		
-E	Displays \$ at the end of each line.		
-b	Numbers non-blank output lines.		
- n	Numbers all output lines		
-T	Displays TAB characters as ^I		

cat command can be used with redirection operator (>) to create new files.

Syntax:

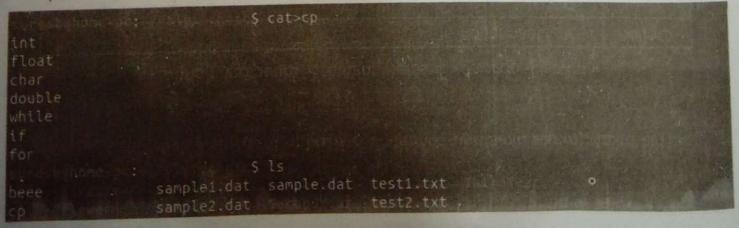
cat >filename

type the text here

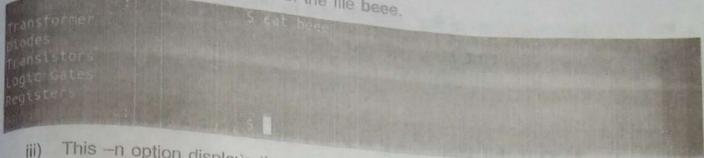
^d (ie press [ctrl +d] at the end)

Sample Output

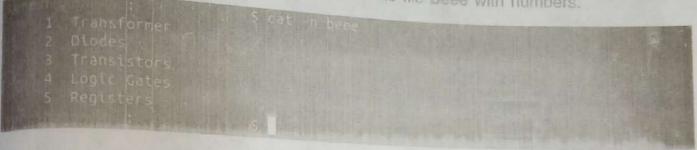
i) A file named cp is created in the current working directory.



This displays the contents of the file beee.

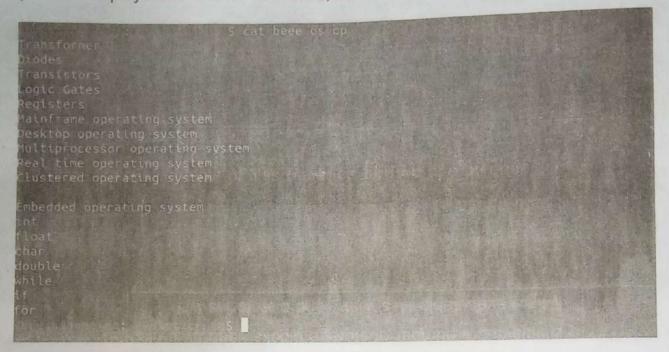


This -n option displays the contents of the file beee with numbers.

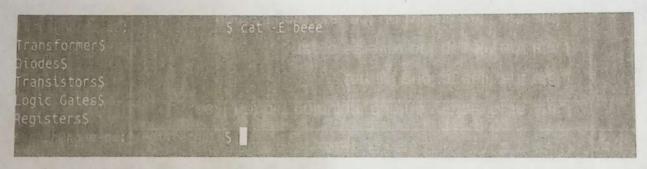


iv) This -b option displays the contents of the file os with numbers for non-blank output

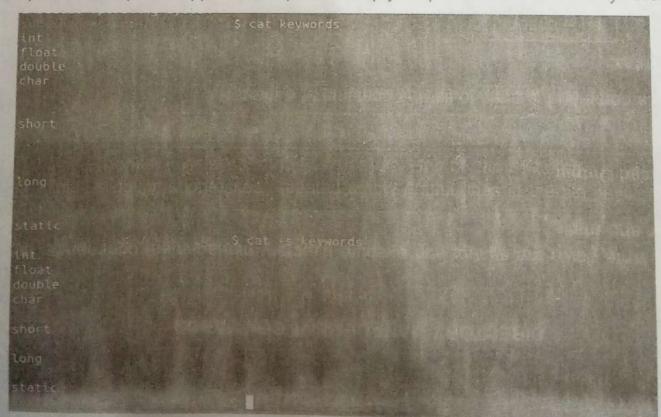
v) This displays contents of files beee, os and cp one by one.



vi) This -E option displays \$ at the end of each line of the file beee.



vii) This -s option suppresses repeated empty output lines in the file keywords.



viii) This -T option displays TAB characters as ^I in the file osservices.

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b) cp (copy)

This cp (copy) command is used to copy the content of one file into another. If the destination is an existing file, the file is overwritten. If the destination is an existing directory, the file is copied into that directory.

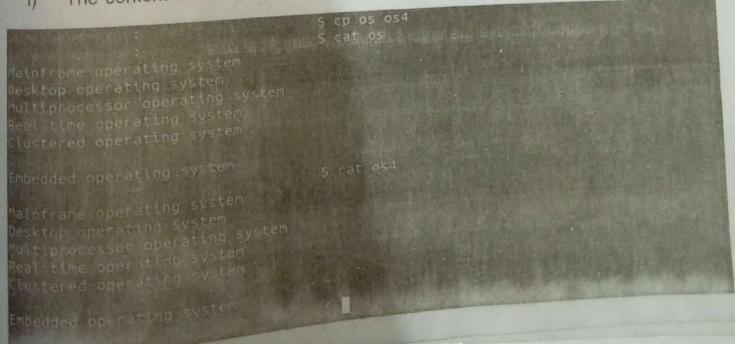
Syntax:

cp [-options] <source_file> <destination_file>

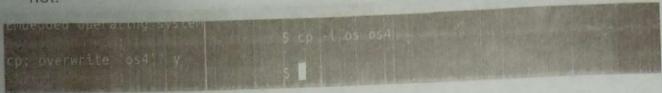
Option	Description			
1	prompt before overwrite			
n	do not overwrite an existing file			
р	preserves information including owner, group, permissions			
	and timestamps			

Sample Output

i) The content of os is copied to os4 as shown.



ii) Using -i option, before copying it prompts whether to overwrite the existing file or not.



iii) Using -p option, as below, output information of os file is preserved for os5 file.



c) mv (move)

This mv (move) command is used to rename the specified files/directories.

Syntax:

mv [-options] <source> <destination>

Option	Description
-1	prompt before overwriting
-n	do not overwrite an existing file

Sample Output

i) The file beee is renamed as beeenew.



ii)

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This -i option, prompts before overwriting, as in the below output.
beeelnew cp
                               osservices sample.dat test2.txt
mv: overwrite 'beeez'? y
                             S mv -i os beee2
beeelnew
                      051
                      052
                                            sample.dat
                                sample1.dat
```

In the output, because of -n option, content of beee1new is not moved to os3, iii) since os3 is an already existing file.

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bedded operating sys	\$	ls \	sample2.dat	test1.txt	
	ceywords	osservices	sample.dat	test2.txt	
CCTHEM Ch	151	sample1.dat			
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eenew	5				

d) rm (Remove)

The rm (remove) command is used to remove a file from the specified directory.

Syntax

rm [-options] <filename>

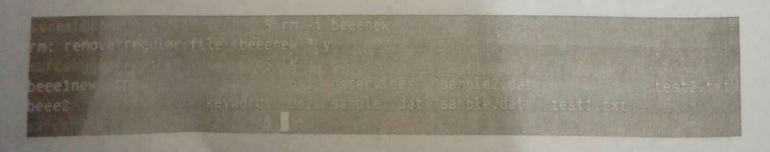
Option	Description
-1	prompts before deleting
-r	removes directories and their contents recursively
-d	removes empty directories
-f	Removes write-protected files also

Sample Output

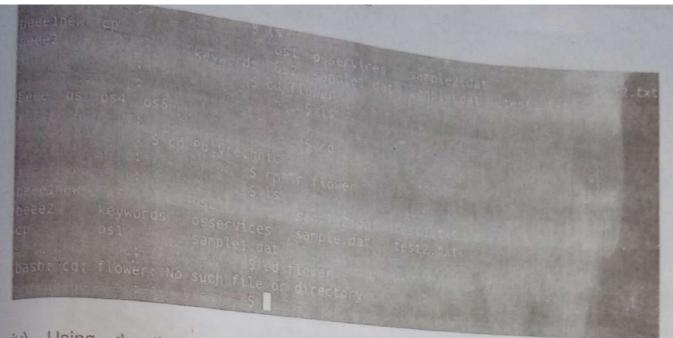
i) This command deletes the file os3.

beeenew cp beee2 beeenew	s keywords osl os2		samplez.dat sample.dat	test2.txt	
beeelnew cp beee2 beeenew		osservices sample1.dat sample2.dat			

ii) Using -i option, this command prompts before deleting.



iii) Using -r option, this command removes 'flower' directory as well as the file contents of it.



iv) Using -d option, this command removes the empty directory 'SecondYear'.

```
beedinew os2 sample2 dat test1 txt
beed keywords osservices sample, dat test2 txt

S cd Secondyear

S ls

S cd Polytechnic

S ls

Seeeinew os2 sample2 dat test1 txt
beed keywords osservices sample dat test2.txt

S cm. d Secondyear

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S cm. d Secondyear

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S is
```

e) more

If the information to be displayed on the screen is very long, it scrolls up on the screen fastly. So the user cannot be able to read it. This more command is used to display the output page by page is nout scrolling up on the screen fastly. Use spacebar or f key the output page by page is nout scrolling up on the screen fastly. Use q key to quit to scroll forward one screen. Use q key to quit displaying.

Syntax:

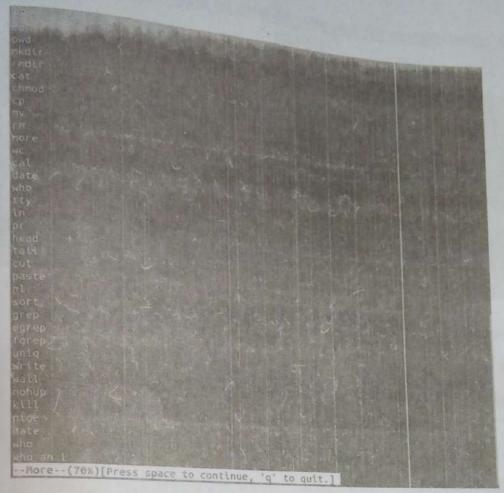
more [-options] <filename>

	Description
Option -d	Helps the user to navigate. It displays "[press space to continue,
	'q' to quit]" Clears the screen and then displays the text
-p -s	Squeezes multiple blank lines into one single blank line.
+num	Displays the text after the specified number of lines of the document

Sample Output

i)

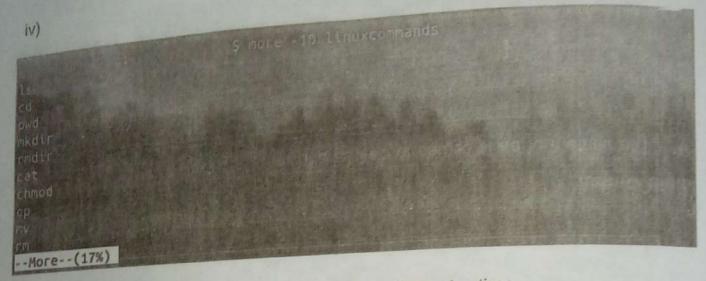
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Macha (70%)					
More(76%)					



This -d option helps the user to navigate as shown in the above output.

iii)

This +10 option displays the text after 10 lines as shown in the above output.



This -10 option displays the output using 10 lines at a time.

f) chmod (Change Mode)

This chmod (change mode) command is used to change the file permissions for an existing file.

Syntax:

i) Symbolic Mode

chmod <group> <operation> <mode> <filename>

User symbols (Gro	up) Set/deny symbol (Operation)	Access symbols (Mode)
u - user	+ Assign permission	r - Read
g - user group	- Remove permission	w - Write
o - others	= Assign absolute permission	x - Execute

ii) Octal mode

chmod 3 digit octalnumber filename

Digits and their meanings

0 - No permissions

4 - Read

2 - Write

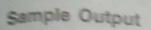
1 - Execute

3 - Write and Execute

5 - Read and Execute

6 - Read and Write

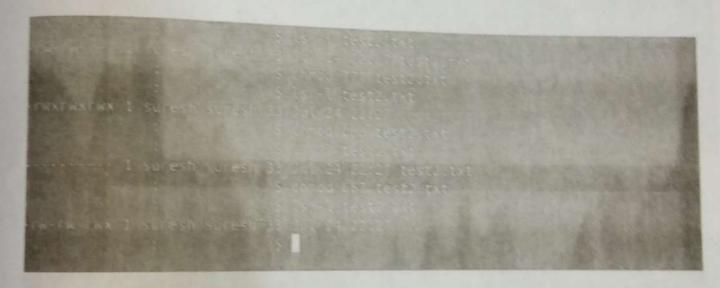
7 - Read, Write and Execute



i) Using Symbolic mode



ii) Using Octal mode



Result

Thus the above file management commands cat, cp, mv, qm, more and chmod are executed successfully.