

LAB SHEET 2

1. Output Redirection: Direct output from monitor to a file.

Sr. No.	Command	Purpose
1	echo hello UMP > <filename>	Send echo message in a file
2	ls -l > lab4	Send list of files/directories in file "lab4"
3	cat lab4	Check contents of the file "lab4"
4	date > lab4	Overwrite current date to the existing contents of "lab4" file
5	cat lab4	Check contents of the file "lab4"
6	ps -ax >> test	Append the list of all processes in "lab4" file
7	cat test	Check contents of the file "lab4"

2. Input Redirection: Redirect input from a file.

Sr. No.	Command	Purpose
1	cat < test	Take the contents from a file and display
2	Prepare a file 'number' having expression 3/2 5.4+3/4 2+4.3*3	
3	bc -l < number	Take input from file for calculation
4	bc -l < number >out	Take input from a file, manipulate, and send to another file
5	cat out	Check contents of the file "out"
6	ls -l >> out	Append the list of files in "out" file
7	cat out	Check contents of the file "out"

3. Pipes: Multiple commands can be linked together using pipes

Sr. No.	Command	Purpose
1	ps -ax grep cron	List down all processes that have the word 'cron'
2	lsof	Display all the open files in the system
3	Lsof more	Display all the open files in the system, pass the list to more to display it one screen at a time
4	ps -ax tee processes.txt more	Use the ps command to get a list of processes running on the system, store it in the file processes.txt, and also pass it to more to display it one screen at a time

4. Shell Metacharacters: * (wild card)?

Sr. No.	Command	Purpose
1	ls *phone	List files ending with phone
2	vi *	When editing done in one file, vi starts next file
3	ls t*r*	List files starting with t and having character r
4	ls ???	List files having name of three characters
5	ls????*	List files having at least 4 characters
6	ls t?ee*	List files starting with character t followed by any one character then ee

Do yourself:

- i) Save the list of files in your current directory in a file named “my_listing”.
- ii) View this “my_listing” file with **more** command.
- iii) Find out who is on the system and append the results to the “my_listing” file.
- iv) Append the 2021 calendar to “my_listing” file
- v) List down all the running processes and append into “my_listing” file
- vi) In “my_listing”, search for ‘csebu’

N.B.: Take screenshot for each output and prepare a word document for submission.