Part A:

1. Create directories: Home > Dir1> Dir2 > Dir3. Create files, file1,file2,file3 in Dir3 with minimum 5 lines of contents.
2. Display the path of file3
3. Copy file3 into Dir1 and file2 into Dir2
4. Remove Dir3
5. Remove file3 from Dir1
6. Create 2 groups Devops, Linux and also create 3 users, Akshay, Aparna, Aswathi
7. Add Akshay and Aparna into Linux and Aswathi into Devops
8. Create 4 terminal and login as root, Akshay, Aparna, Aswathi
9. Run sleep 10000 from each terminal
10. Move sleep process into background
11. Display processes
12. Kill sleep from each terminal
13. Remove the user Aparna

Part B:

1. List the process id of your browser.
2. List all jobs
3. List all files which contains a line that begins with the pattern “the”.
4. Sort and display the processes by CPU usage percentage
5. Print the execution time of a process which consumes more memory
6. Delete all lines from file2 except those containing the pattern “is” - using grep command.
7. Create a new file, file4 and add lines which does not contains the pattern “the” from other 3 files.
8. Create a file Test.c , to display “Linux Test” and make the corresponding a.out file non-executable

|  |
| --- |
| #include <stdio.h> |
| main() |
| { |
| print(“Linux Test”) |
| } |

Part B Answers:

1. pgrep browser\_name
2. jobs
3. grep –rl “^the” \*
4. ps -eo pid,%cpu --sort=-%cpu

or

ps aux --sort=-%cpu

1. ps aux --sort=-%mem

or

ps -eo pid,%mem --sort=-%mem

1. grep -v “is” file2 > file3 ; mv file3 file2
2. grep -v “the” file1 file2 file3 > file4