LINUX COMMANDS

1) **Display top 10 processes in descending order -** ps aux --sort=-%cpu | head -n 11
2) **Display processes with highest memory usage -** ps aux --sort=-%mem | head -n 11
3) **Display current logged-in user and logname -** echo “username : $USER”
   logname
4) **Display current shell -** echo “current shell: $SHELL”
   home directory-echo “current directory : $HOME”
   operating system type-uname o-
   current working directory- pwd
   current path setting-echo “current path : $PATH”
5) **Display OS version -** cat /etc/os-release
   release number - uname -r
   kernel version - uname -v
6) **Write a command to display the first 15 columns from each line in the file -** cat -c 1-15 filename
7) **Cut specified columns from a file and display them-** cut -d ‘,’ 2,3 filename
8) **Sort a given file ignoring upper and lower case -** sort -f filename
9) **Display only directories in the current working directory -** ls -d */
10) **Copy files from one place to another -** cp source_file destination_directory
11) **Move files from one place to another -** mv filename1 destination_directory
12) **Remove a specific directory with various options -**
    rm -r directory_name #Recursively remove
    rm -rf directory_name #Forcefully and recursively remove
13) **List the number of users currently logged into the system and sort it**
    who | awk '{print $1}' | sort | uniq -c
14) **Merge two files into one file -** cat file1 file2 > merged_file
15) **Change the access mode of one file -** chmod 644 filename
16) **Display the last ten lines of the file -** tail filename
17) **Locate files in a directory and a subdirectory -** find . -name "filename"
18) **Display the contents of all files having a name starting with ap followed by any number of characters -** cat ap*
19) **Rename any file from aaa1 to aaa2, where aaa1 is the user login name -** mv aaa1 aaa2
20) **Write a command to search the word picture in the file and if found, the lines containing it would be displayed on the screen-** grep “picture” filename
21) **Write a command to search for all occurrences of Rebecca as well as rebecca in the file and display the lines which contain one of these words-** grep -i “rebecca” filename
22) **Write a command to search all four-letter words whose first letter is a b and last letter is a k-**
    grep -E “bb/[a-zA-Z]{2}k\b” filename
23) **Write a command to see only those lines which do not contain the search pattern-**
    grep -v “pattern” filename