**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

### **Display current logged-in user and logname -** echo “username : $USER”

logname

1. **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”

1. **Display OS version -** cat /etc/os-release

**release number -**  uname -r

**kernel version -** uname -v

1. **Write a command to display the first 15 columns from each line in the file -** cat -c 1-15 filename
2. **Cut specified columns from a file and display them-** cut -d ‘,’ 2,3 filename
3. **Sort a given file ignoring upper and lower case -** sort -f filename
4. **Display only directories in the current working directory -** ls -d \*/

### **Copy files from one place to another -** cp source\_file destination\_directory

1. **Move files from one place to another -** mv filename1 destination\_directory
2. **Remove a specific directory with various options -**

rm -r directory\_name #Recursively remove

rm -rf directory\_name #Forcefully and recursively remove

1. **List the number of users currently logged into the system and sort it**

who | awk '{print $1}' | sort | uniq -c

1. **Merge two files into one file -** cat file1 file2 > merged\_file
2. **Change the access mode of one file -** chmod 644 filename
3. **Display the last ten lines of the file -** tail filename
4. **Locate files in a directory and a subdirectory -** find . -name "filename"
5. **Display the contents of all files having a name starting with ap followed by any number of characters -** cat ap\*
6. **Rename any file from aaa1 to aaa2, where aaa1 is the user login name -**  mv aaa1 aaa2
7. **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
8. **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
9. **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

1. **Write a command to see only those lines which do not contain the search pattern-**

grep -v “pattern” filename