

## **Command**    **Description**

**ls**       Lists all files and directories in the present working directory  
**ls \***     Lists files in sub-directories as well  
**ls -a**    Lists hidden files as well  
**ls -l**    to show file type and access permission  
**ls -rtl** List in detail in reverse order  
**pwd**     Displays the current working directory  
**cd or cd ~**    Navigate to HOME directory  
**cd ..**    Move one level up  
**cd directory**    To change to a particular directory  
**cd /**     Move to the root directory  
**touch filename** Creates a file with the given name  
**cat filename**    Displays the file content  
**cat file1 file2 > file3** Joins two files (file1, file2) and stores the output in a new file (file3)  
**paste file1 file2 > file3** Joins two files (file1, file2) and stores the output in a new file (file3) in a column-like style  
**mv file "new file path"**       Moves the files to the new location  
**mv filename new\_file\_name**    Renames the file to a new filename  
**rm filename**    Deletes a file  
**rm \***    Deletes every file in the given directory **(!!!!)**  
**mkdir directoryname**    Creates a new directory in the present working directory or a at the specified  
**rmdir / rm -r**    Deletes a directory  
**echo \$VARIABLE**    To display value of a variable  
**echo "Hello"**    Prints Hello

**head -20 file**    Shows first 20 lines in a file  
**tail -20 file**    Shows last 20 lines in a file  
**diff file1 file2**    Shows the difference between two files  
**wc -l file**    Shows the number of lines in the file  
**grep -n "34.45" file**    Finds the "string" and prints as an output the line number  
**sed 's/old/new/g' file**    replaces "old" with "new" globally (g) in the file  
**echo \$PATH**    Shows the stored paths to executables  
**echo \$HOME**    Shows the path to home directory  
**find . -name \*.txt**    finds all files in the given directory with suffix txt and prints the path  
**man**       Gives help information on a command  
**history**    Gives a list of all past commands typed in the current terminal session  
**clear**     Clears the terminal path shows the location of the file

**chmod u+x bash.sh**    Adds rights to execute for user  
**sudo**      Allows regular users to run programs with the security privileges of the superuser or root  
**sudo adduser username**    To add a new user  
**sudo passwd -l 'username'**    To change the password of a user

**ssh username@ip-address or hostname**    login into a remote Linux machine using SSH

**./program.sh** runs a bash script  
**Ctrl + C** Kill process running in the terminal  
**top**       Details on all Active Processes  
**jobs**      Shows running jobs  
**kill %number of the process**    Kills a process