LINUX SHELL COMMANDS

1. **ls** - The most frequently used command in Linux to list directories

O/P:

```
vijay@vijay:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  sap  sap2  snap  Templates  Videos
```

2. **pwd** - Print working directory command in Linuxclearclear

O/P:

```
vijay@vijay:~$ pwd
/home/vijay
vijay@vijay:~$
```

3. **cd** - Linux command to navigate through directories

O/P:

```
vijay@vijay:~$ cd
vijay@vijay:~$
```

4. **mkdir** - Command used to create directories in Linux

O/P:

```
vijay@vijay:~$ mkdir paruluniversity
vijay@vijay:~$ cd paruluniversity
vijay@vijay:~/paruluniversity$ ls
vijay@vijay:~/paruluniversity$
```

5. **mv** - Move or rename files in Linux

O/P:

```
vijay@vijay:~$ cd paruluniversity
vijay@vijay:~/paruluniversity$ mv vijay1.txt vijay2.txt
vijay@vijay:~/paruluniversity$ ls
vijay2.txt
vijay@vijay:~/paruluniversity$ vijay2.txt
vijay2.txt: command not found
vijay@vijay:~/paruluniversity$ open vijay2.txt
vijay@vijay:~/paruluniversity$
```

Open | *vijay2.txt ~/paruluniversity | Save

```
1 hii this is file 1
2
```

6. **cp** - Similar usage as mv but for copying files in Linux

O/P:

vijay@vijay: ~/parul

```
vijay@vijay:~$ cd parul
vijay@vijay:~/parul$ ls
xyz.txt
vijay@vijay:~/parul$ cp xyz.txt abc.txt
vijay@vijay:~/parul$ ls
abc.txt  xyz.txt
vijay@vijay:~/parul$ open abc.txt
vijay@vijay:~/parul$
```

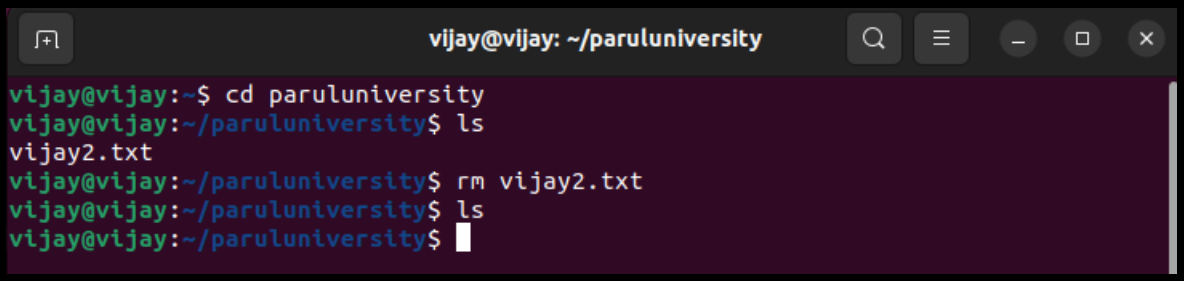
Open | abc.txt ~/parul | Save

```
1 hello this is the file of parul directory
2 it is going to copy now
3
```

Vijay LINUX

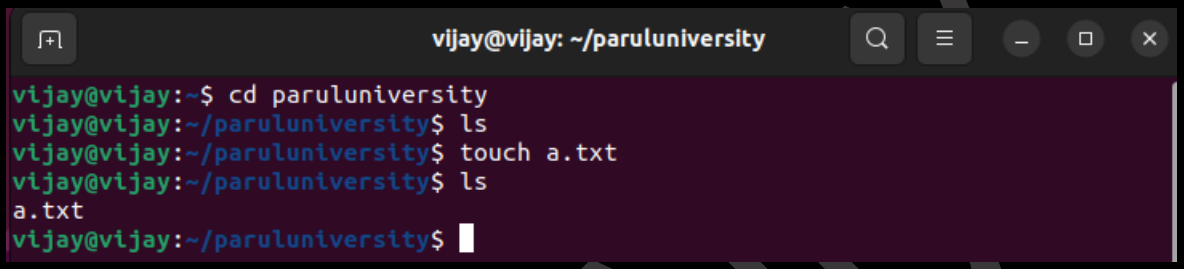
7. **rm** - Delete files or directories

O/P:



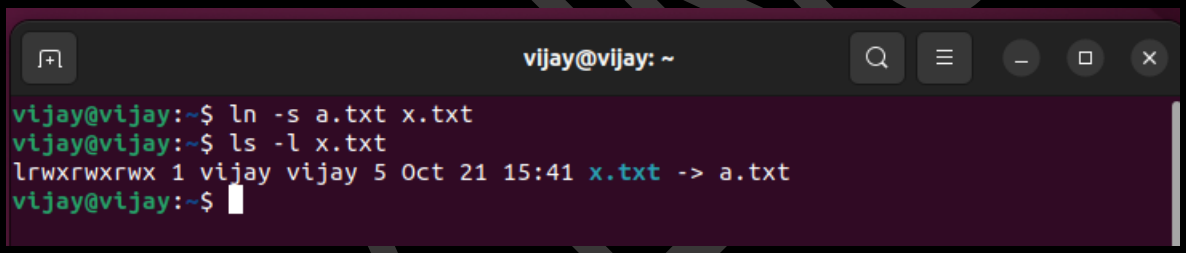
8. **touch** - Create blank/empty files

O/P:



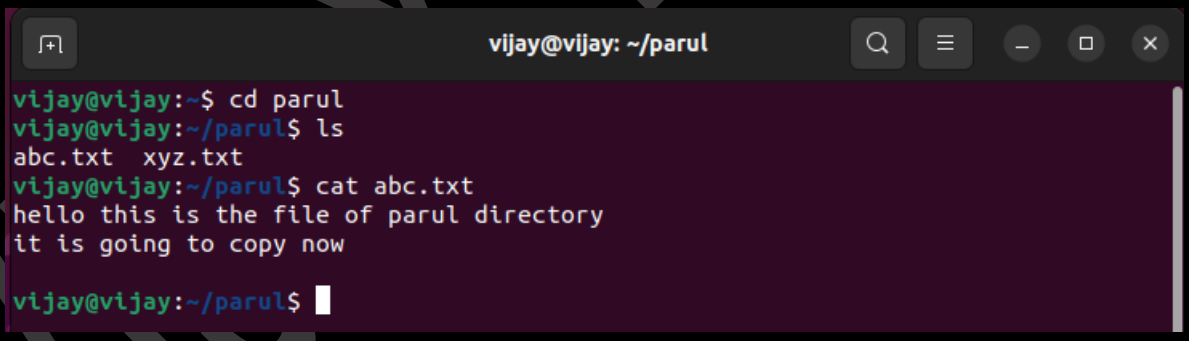
9. **ln** - Create symbolic links (shortcuts) to other files

O/P:



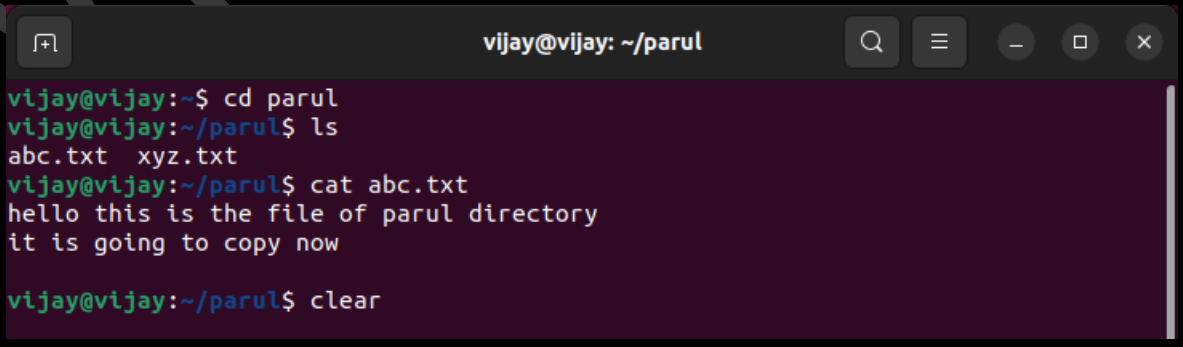
10. **cat** - Display file contents on the terminal

O/P:



11. **clear** - Clear the terminal display

O/P:

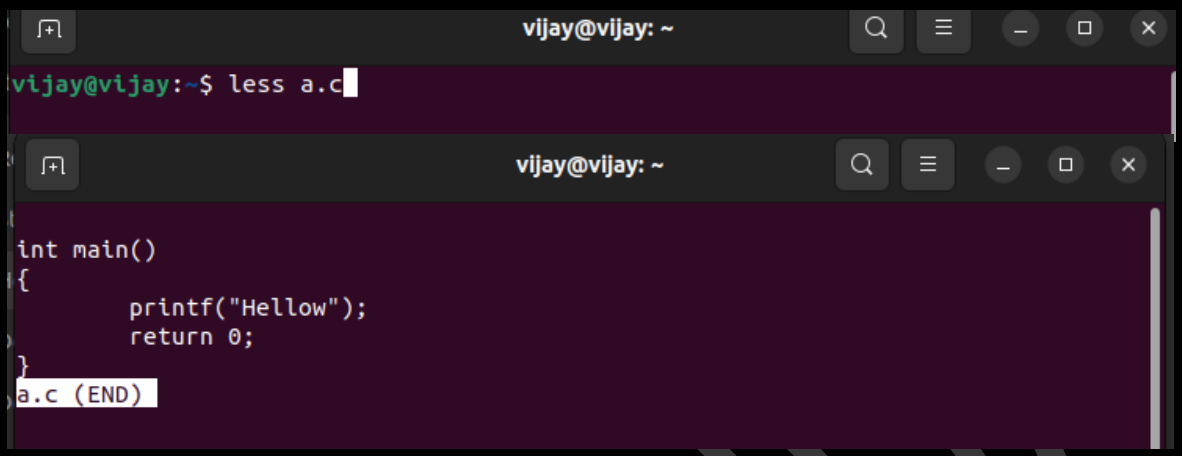


12. **echo** - Print any text that follows the command

O/P:

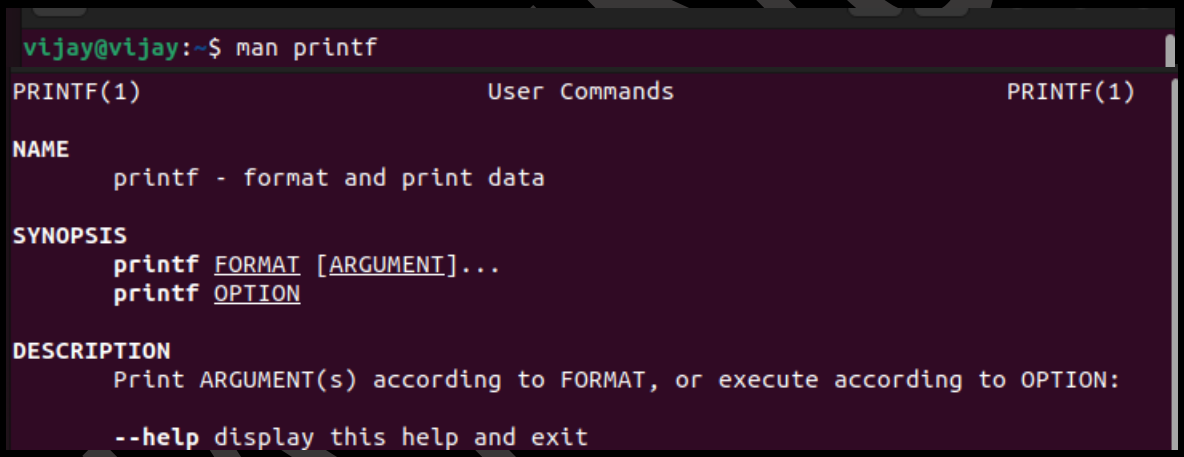
13.**less** - Linux command to display paged outputs in the terminal

O/P:



14.**man** - Access manual pages for all Linux commands

O/P:



15.**uname** - Linux command to get basic information about the OS

O/P:

16.**whoami** - Get the active username

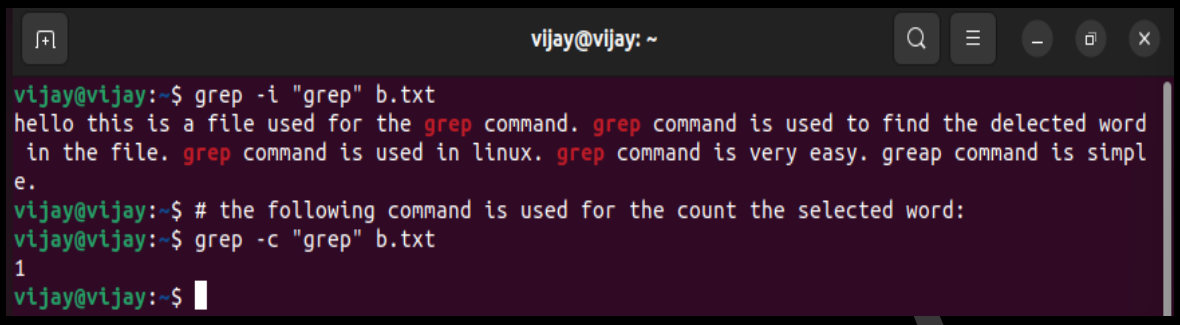
O/P:

17.**tar** - Command to extract and compress files in Linux

O/P:

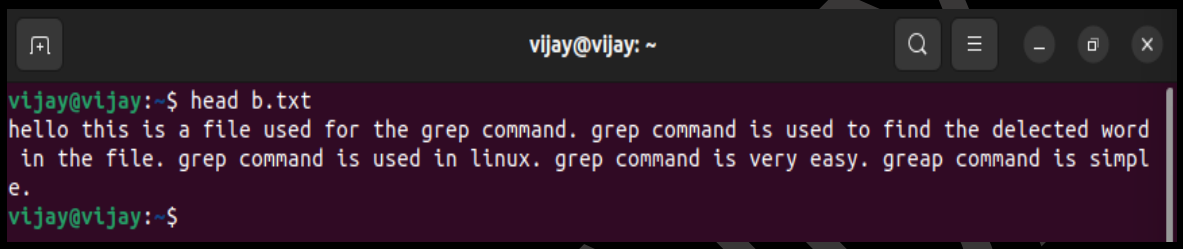
18.**grep** - Search for a string within an output

O/P:



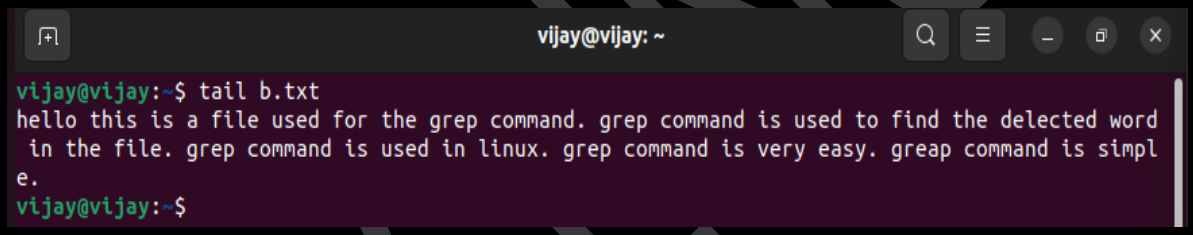
19.**head** - Return the specified number of lines from the top

O/P:



20.**tail** - Return the specified number of lines from the bottom

O/P:

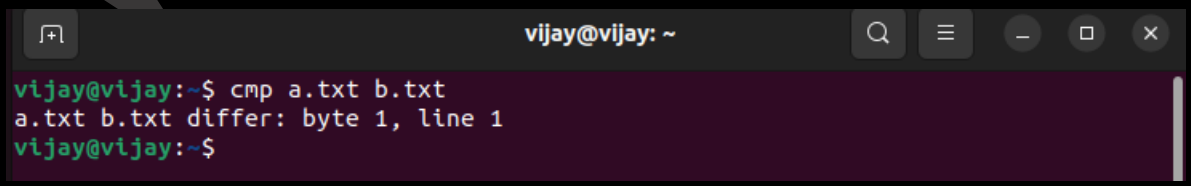


21.**diff** - Find the difference between two files

O/P:

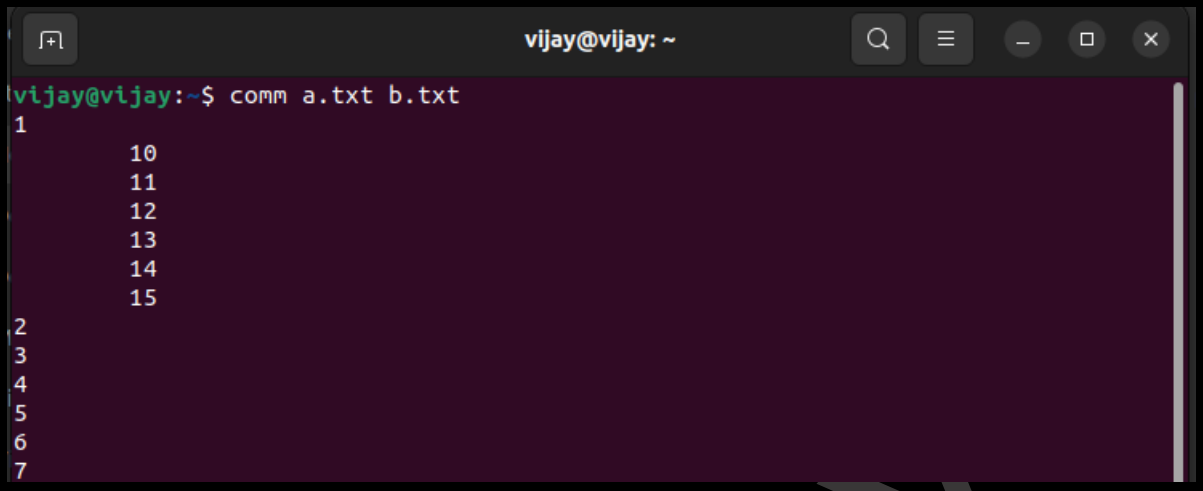
22.**cmp** - Allows you to check if two files are identical

O/P:



23.**comm** - Combines the functionality of diff and cmp

O/P:

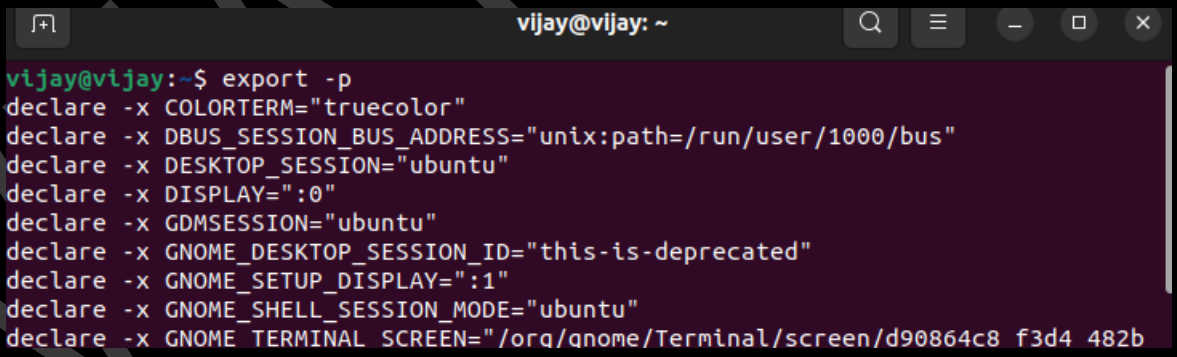


24.**sort** - **Linux command to sort the content of a file while outputting**

O/P:

25.**export** - **Export environment variables in Linux**

O/P:

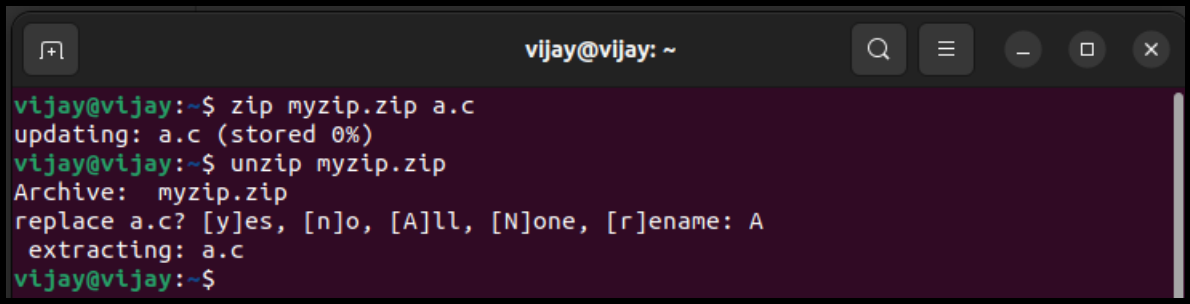


26.**zip** - **Zip files in Linux**

O/p:

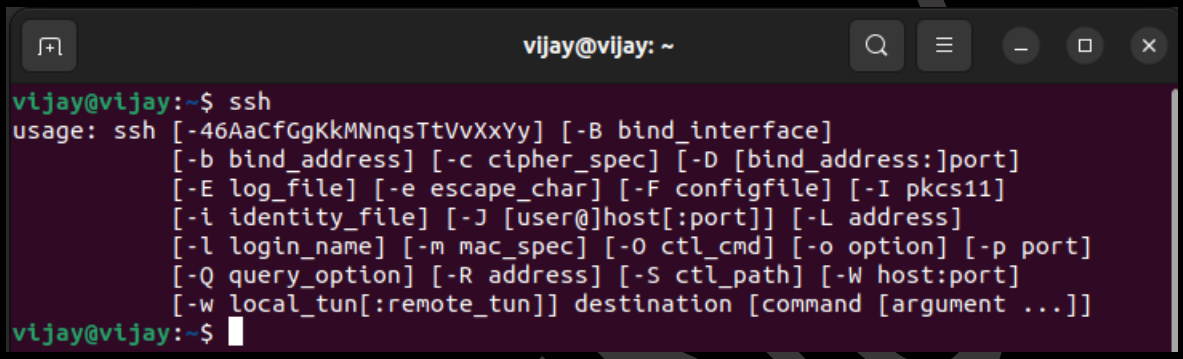
27.**unzip** - **Unzip files in Linux**

O/P:



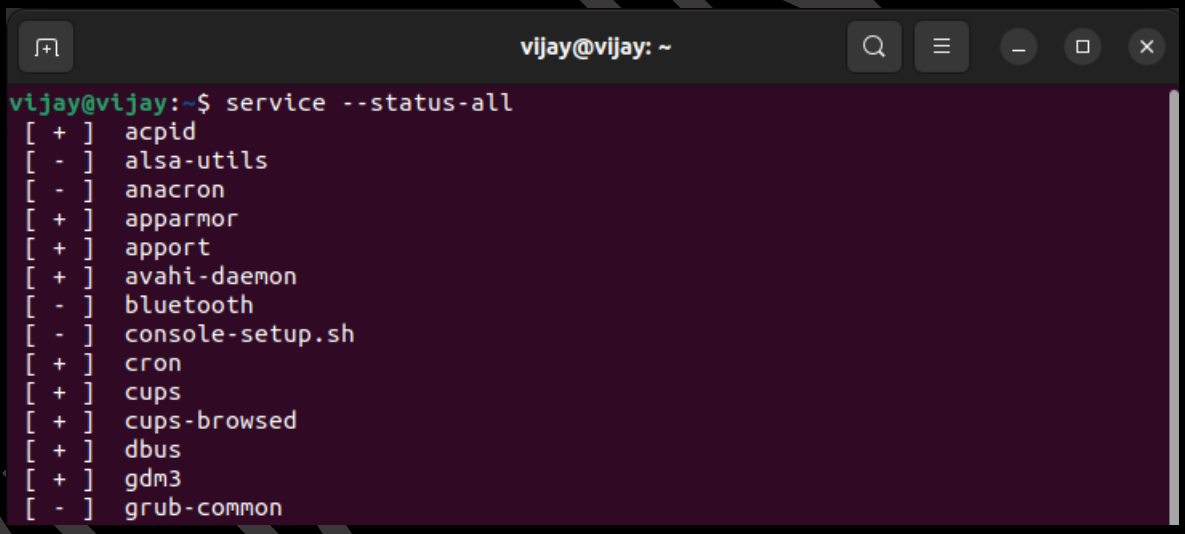
28.ssh - Secure Shell command in Linux

O/P:



29.service - Linux command to start and stop services

O/P:

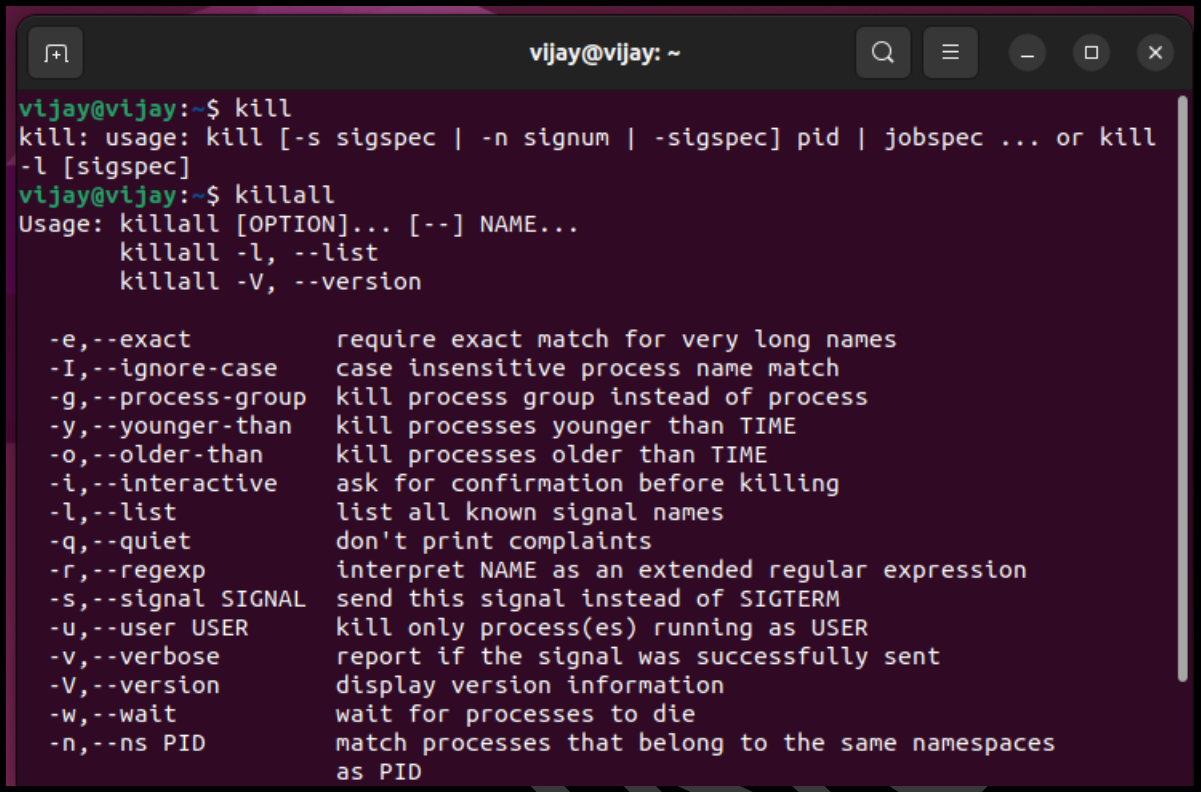


30.ps - Display active processes

O/P:

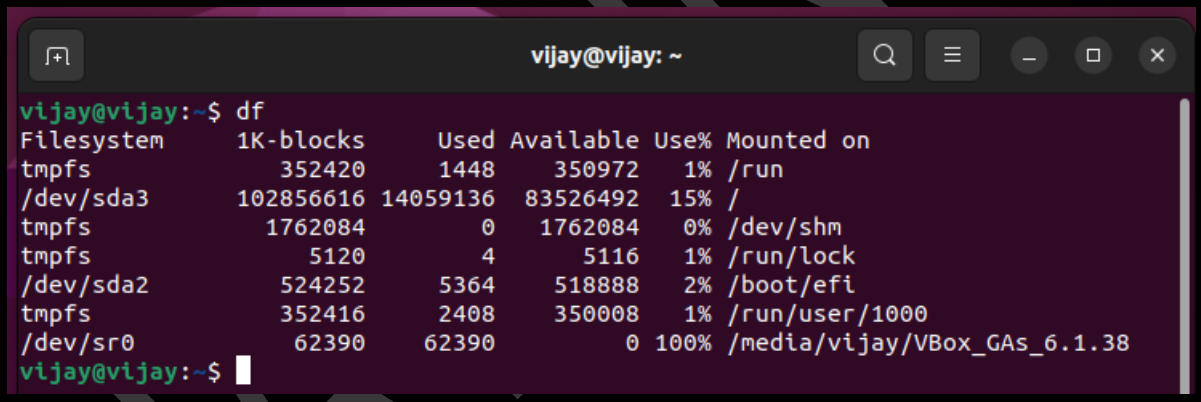
31.kill and killall - Kill active processes by process ID or name

O/P:



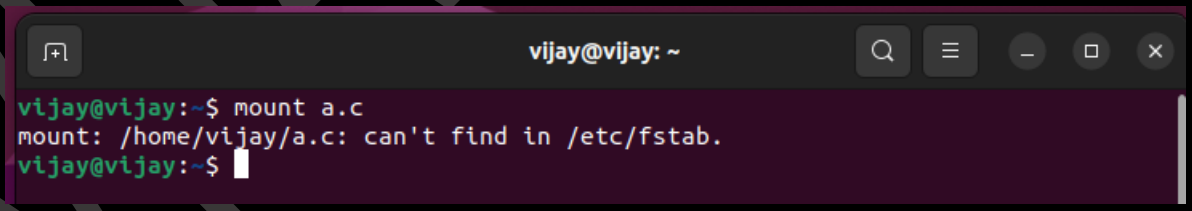
32.df - Display disk filesystem information

O/P:



33.mount - Mount file systems in Linux

O/P:

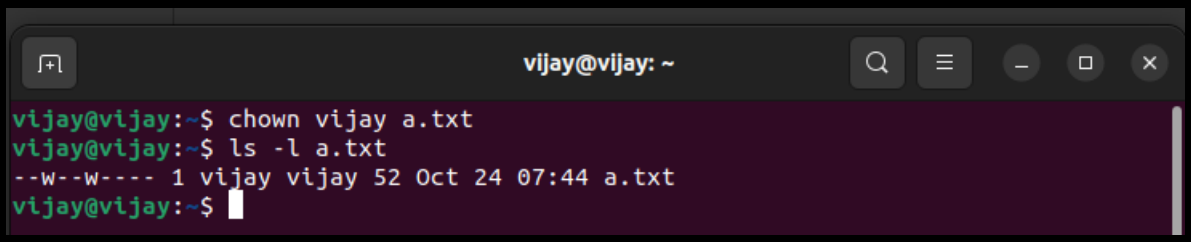


34.chmod - Command to change file permissions

O/P:

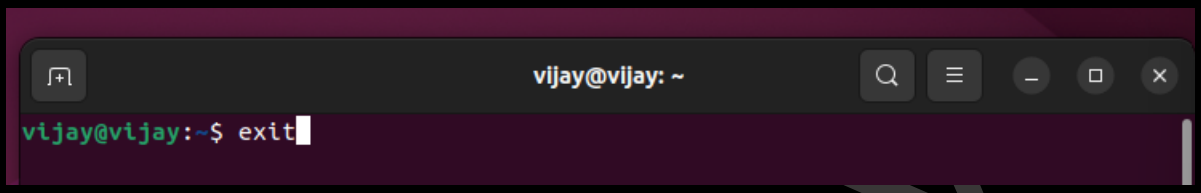
35.chown - Command for granting ownership of files or folders

O/P:



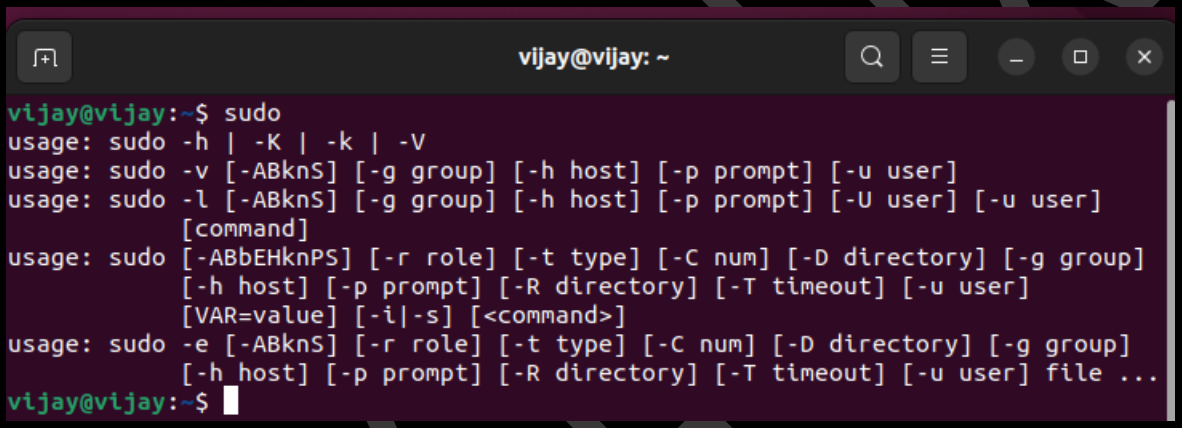
36.exit – Used to exit from the shell

O/P:



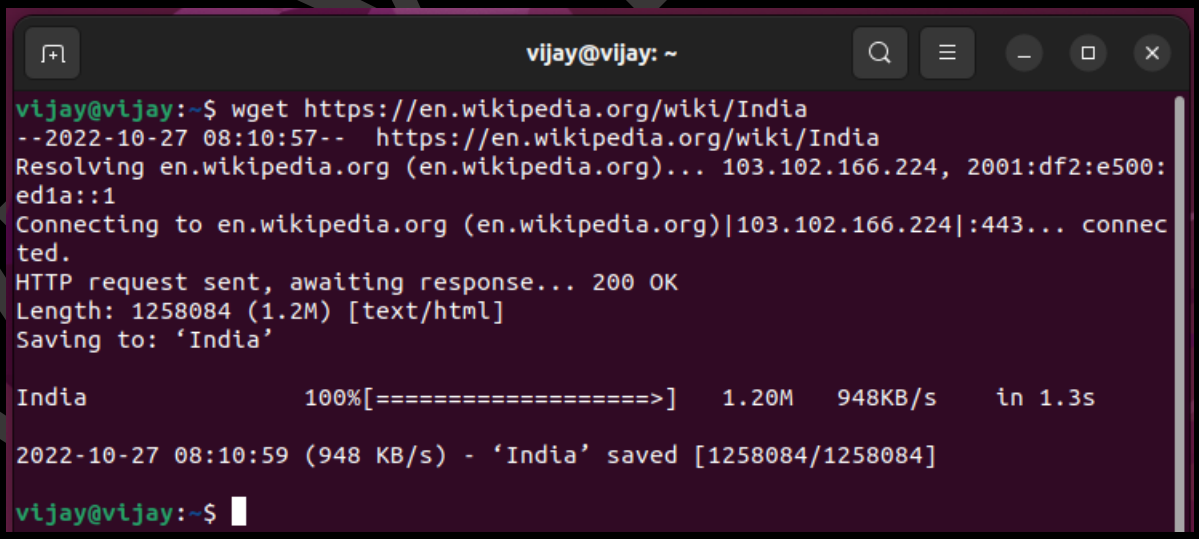
37.sudo – This command stands for "superuser do," and it lets you act as a superuser or root

O/P:



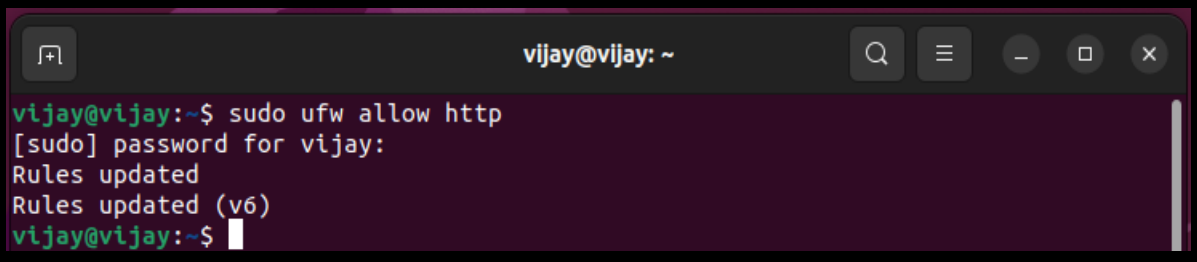
38.wget - Direct download files from the internet

O/P:



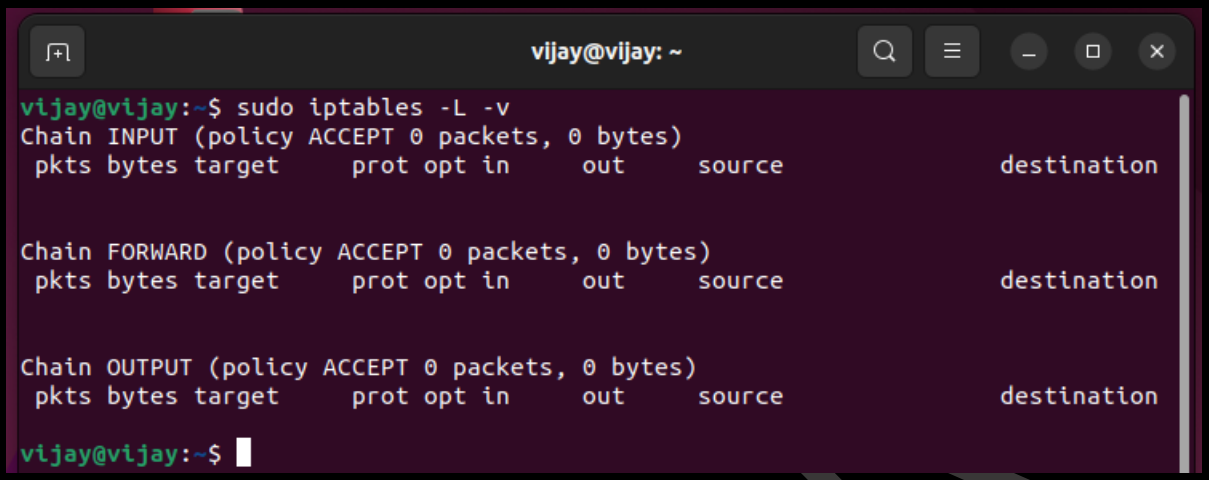
39.ufw - Firewall command

O/P:



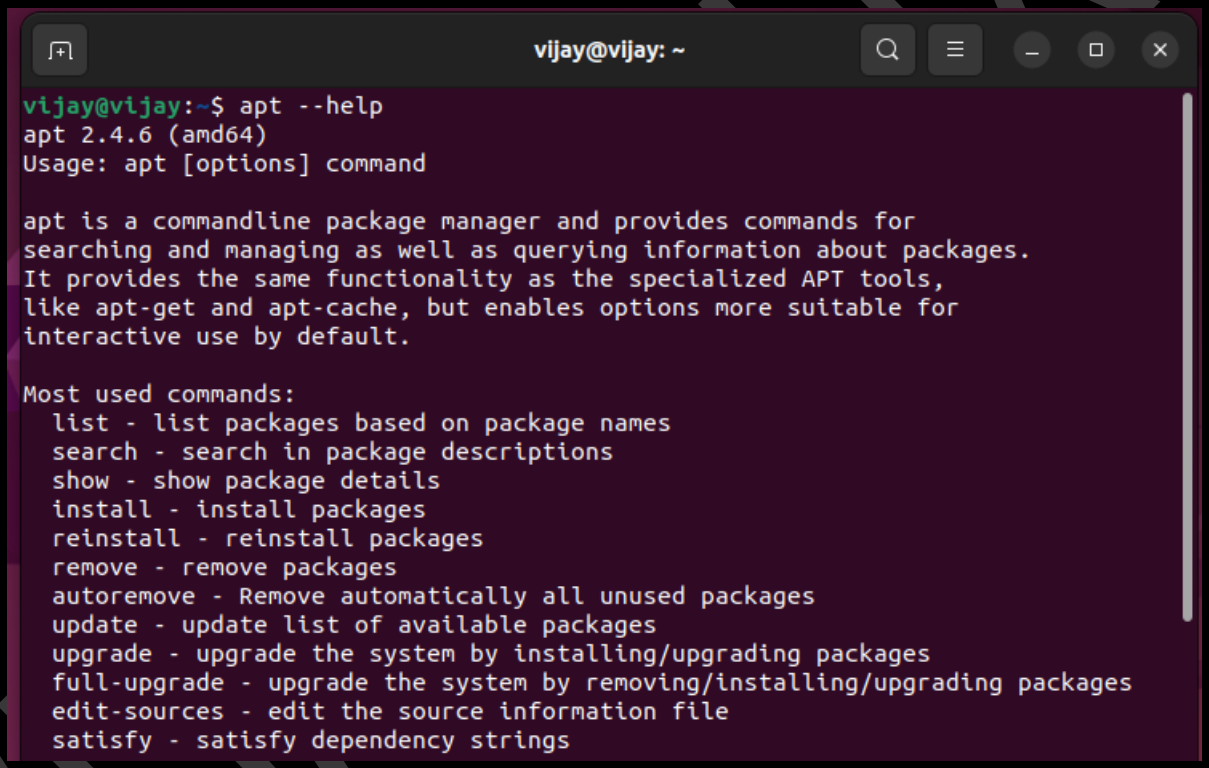
40.**iptables** - Base firewall for all other firewall utilities to interface with

O/P:



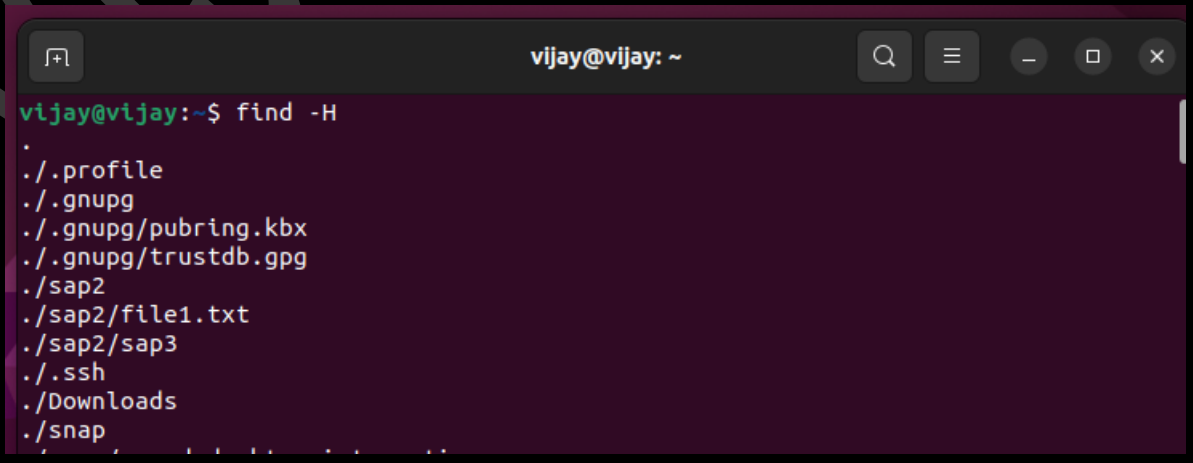
41.**apt** - Package managers depending on the distro

O/P:



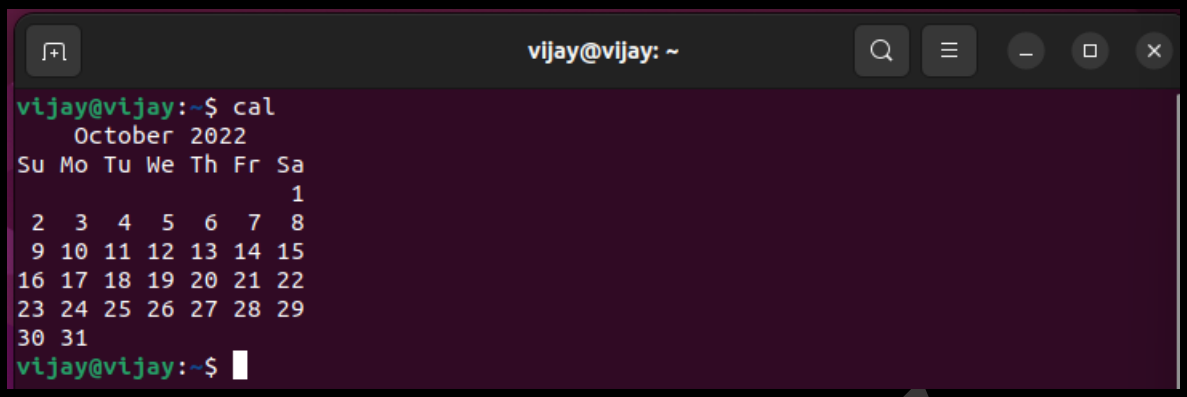
42.**find** - It defines the directory where to begin searching.

O/P:



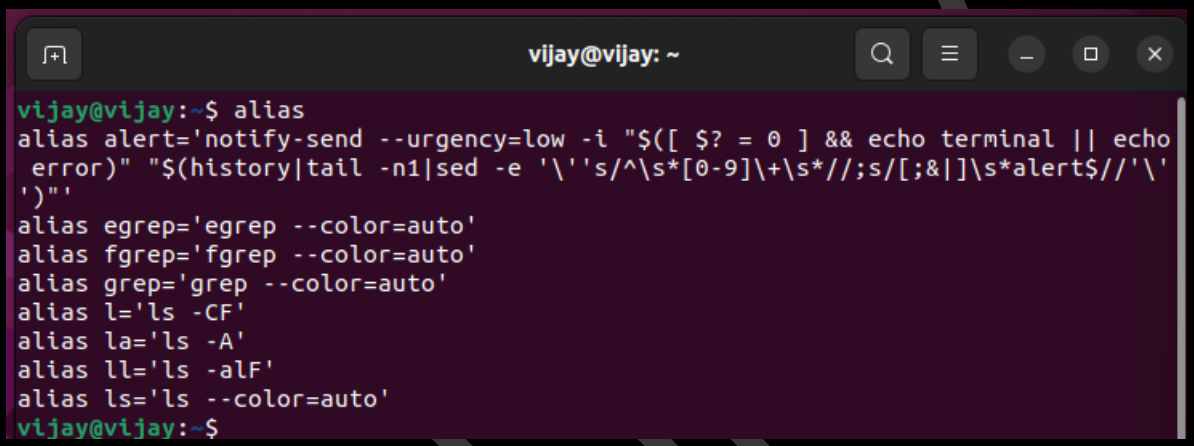
43.**cal** - View a command-line calendar

O/P:



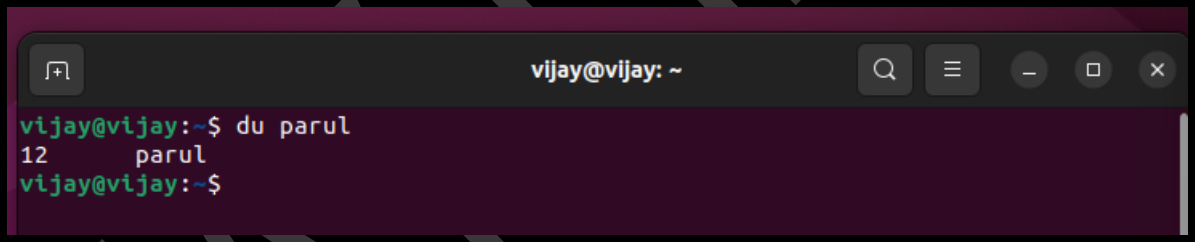
44.**alias** - **Create custom shortcuts for your regularly used commands**

O/P:



45.**du** - **short for disk usage, is used to estimate file space usage**

O/P:

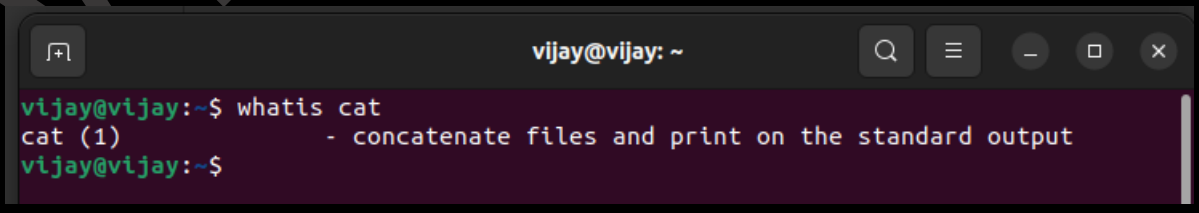


46.**whereis** - **Locate the binary, source, and manual pages for a command**

O/P:

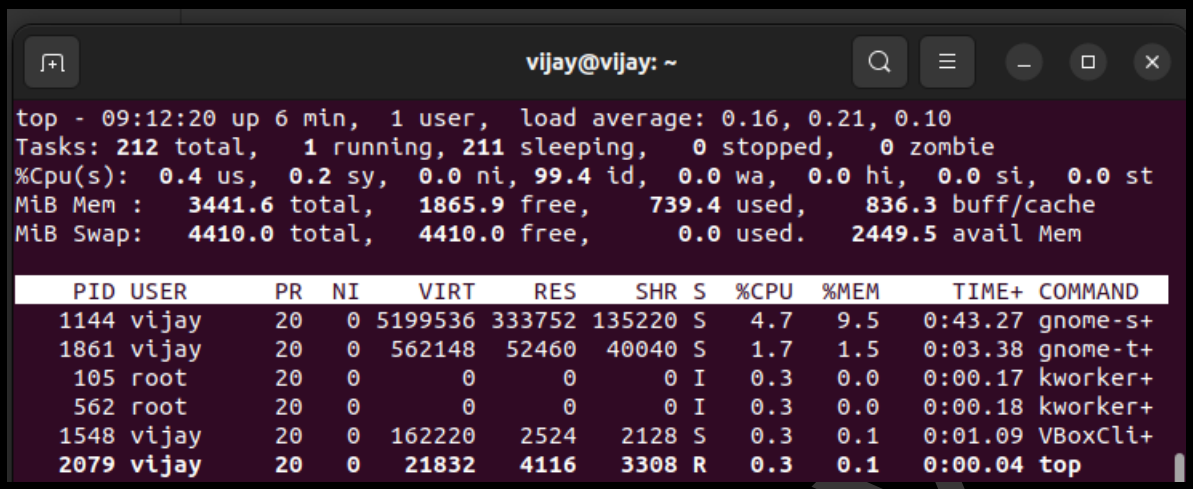
47.**whatis** - **Find what a command is used for**

O/P:



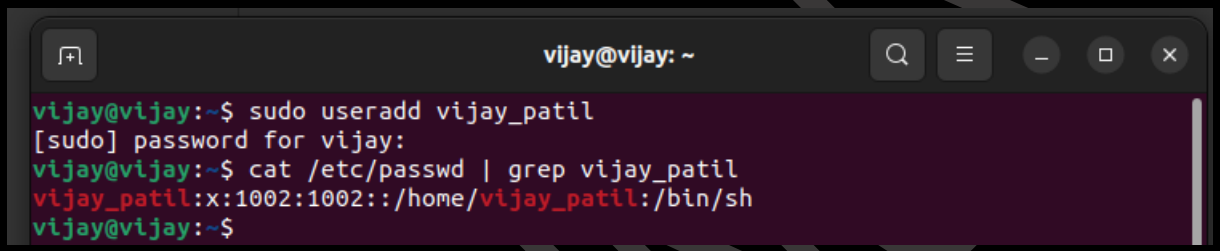
48.**top** - **View active processes live with their system usage**

O/P:



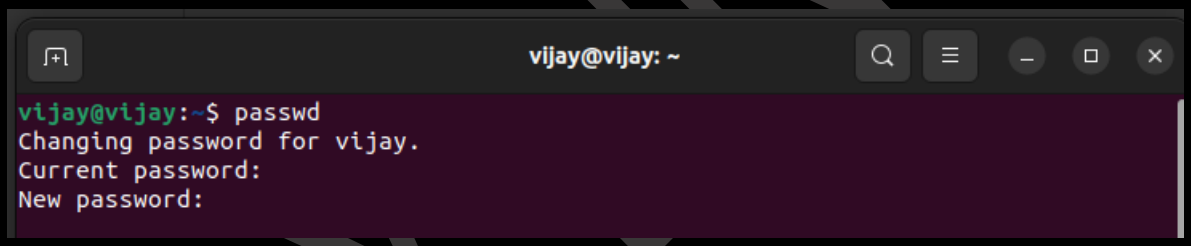
49.useradd - Add new user or change existing users data

O/P:



50.passwd - Create or update passwords for existing users

O/P:



VIJAY