**Basic Linux Commands:**

**Viewing, copying, moving and deleting files**

|  |  |
| --- | --- |
| ls | Display the contents of the current directory |
| ls -a | Display also hidden files and hidden directories |
|  |  |
| cp filename /path/dir\_name | Copy filename into directory /path/dir\_name |
| cp -r dir\_name /path/dir\_name2 | Copy the entire dir\_name into /path/dir\_name2 |
| cp filename1 filename2 /path/dir\_name | Copy filename1 and filename2 into /path/dir\_name |
|  |  |
| rm name | Remove a file or directory called name |
| rm -r name | Remove an entire directory as well as its included files and subdirectories |
|  |  |
| mv filename /path/dir\_name | Move filename into /path/dir\_name |
| mv filename1 filename2 | Rename filename1 to filename2 |
|  |  |
| cat filename | Display filenames contents |
|  |  |
| more filename | Display filename in pages. Use spacebar to view next page |
|  |  |
| head filename | Display filenames first 10 lines |
| head -15 filename | Display filenames first 15 lines |
|  |  |
| tail filename | Display filenames last 10 lines |
| tail -15 filename | Display filenames last 15 lines |
|  |  |
| pwd | Display current directory |
|  |  |
| cd /path/dir\_name | Change to directory /path/dir\_name |
| cd .. | Go 1 directory up |
|  |  |
| mkdir dir\_name | Create directory dir\_name |
| rmdir dir\_name | Delete directory dir\_name |

**User administration**

|  |  |
| --- | --- |
| users | Display users currently logged in |
| who | List logged-in users |
| whoami | Display current user |
| su | Log in as root from current login |
| su - | Log in as root from current login and take root's path |
| exit | Exit from console login (ie, logout). |

Processes

|  |  |
| --- | --- |
| ctrl+z | Suspend a program |
| ctrl+c | Interrupt a program |
| ps | List all processes |
| kill -9 pid | Kill process with id pid |
| top | Monitor processes in real time |

Networking

|  |  |
| --- | --- |
| hostname | List the system's hostname |
| ifconfig | Set/Display network information |
| host ip | Resolves ip's hostname |
| ping ip/hostname | Check if ip/hostname is reachable |
| traceroute ip/hostname | Find network path to ip/hostname |

System Information

|  |  |
| --- | --- |
| uname -a | General system information |
| fdisk -l | List partition tables |
| cp filename /path/dir\_name | Copy filename into directory /path/dir\_name |
| df -T –h | List filesystem disk space usage |