Executing Basic Linux Commands

Steps to be followed:

1. Executing basic Linux commands.

Step 1: Executing basic Linux commands

1.1 List the files or folders present in the current directory.

ls

1.2 Create a new directory in the current folder, and check if the folder is created.
mkdir New_Folder

ls

1.3 Navigate to the **New_Folder** directory by changing the current directory.

cd New_Folder

1.4 Write some text in a demo file, and display the content of the file

echo "This is a demo file" > demo.txt

cat demo.txt

1.5 Change the mode of the *demo.txt* file to read only

chmod -r demo.txt

```
          @ip-172-31-71-23:~/New_Folder$ chmod -r demo.txt
          @ip-172-31-71-23:~/New_Folder$
```

1.6 Remove the *demo.txt* file from the folder, and list the files in the folder

rm demo.txt

```
          @ip-172-31-71-23:~/New_Folder$ rm demo.txt
          @ip-172-31-71-23:~/New_Folder$ ls
          @ip-172-31-71-23:~/New_Folder$
```

1.7 Change the current user as a super/root user

sudo su

```
          @ip-172-31-71-23:~/New_Folder$ sudo su
root@ip-172-31-71-23:/home/            /New_Folder#
```

1.8 Install git using the *apt-get* package manager

apt-get install git

```
root@ip-172-31-71-23:/home/           /New_Folder# apt-get install git
Reading package lists... Done
Building dependency tree
Reading state information... Done
git is already the newest version (1:2.32.0-1~ppa0~ubuntu20.04.1).
0 upgraded, 0 newly installed, 0 to remove and 48 not upgraded.
root@ip-172-31-71-23:/home/manjkumarrimpli/New_Folder#
```

1.9 List all the previously used commands

history

```
@ip-172-31-71-23:~/New_Folder$ history
    1  clear
    2  lsb_release -a
    3  ls
    4  mkdir New_Folder
    5  ls
    6  cd New_Folder
    7  echo "This is a demo file" > demo.txt
    8  cat demo.txt
    9  chmod -r demo.txt
   10  rm demo.txt
   11  sudo su
   12  clear
   13  cd
   14  clear
   15  ls
   16  rm New_Folder
   17  rmdir New_Folder
   18  ls
   19  clear
   20  exit
   21  ls
   22  mkdir New_Folder
   23  ls
   24  cd New_Folder
   25  echo "This is a demo file" > demo.txt
   26  cat demo.txt
   27  chmod -r demo.txt
   28  rm demo.txt
   29  ls
   30  sudo su
   31  history
@ip-172-31-71-23:~/New_Folder$ 
```
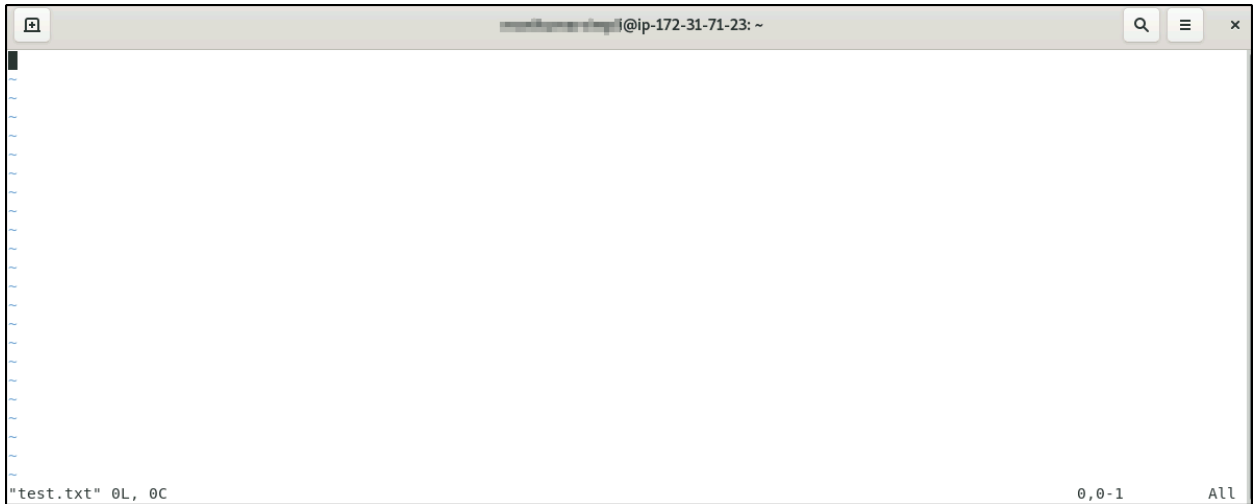
1.10   Clear the Terminal screen.

clear

```
@ip-172-31-71-23:~$
```

1.11 Creating a file using vi.

vi <filename>.<extension>

For ex: vi test.txt

```
 @ip-172-31-71-23:~$ vi test.txt
 @ip-172-31-71-23:~$ █
```

```
⊞                    @ip-172-31-71-23: ~                    🔍  ≡  ✕
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~
"test.txt" 0L, 0C                                      0,0-1        All
```

1.12 Changing file permissions.

chmod <permission code> <filename>.<extension>

For ex: chmod 777 test.txt

```
 @ip-172-31-71-23:~$ chmod 777 test.txt
 @ip-172-31-71-23:~$ █
```

1.13 Unzipping a file.

tar -xf <filename>.tar.gz

```
 @ip-172-31-71-23:~$ wget https://assets.nagios.com/downloads/nagiosxi/5/xi-5.8.4.tar.gz
--2021-06-28 08:36:32--  https://assets.nagios.com/downloads/nagiosxi/5/xi-5.8.4.tar.gz
Resolving assets.nagios.com (assets.nagios.com)... 45.79.49.120, 2600:3c00::f03c:92ff:fef7:45ce
Connecting to assets.nagios.com (assets.nagios.com)|45.79.49.120|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 68610618 (65M) [application/x-gzip]
Saving to: 'xi-5.8.4.tar.gz'

xi-5.8.4.tar.gz            100%[=====================================================>]  65.43M  40.4MB/s    in 1.6s

2021-06-28 08:36:34 (40.4 MB/s) - 'xi-5.8.4.tar.gz' saved [68610618/68610618]

 @ip-172-31-71-23:~$ tar -xf xi-5.8.4.tar.gz█
```

unzip <filename>.zip

```
████████████@ip-172-31-71-23:~$ unzip master.zip
Archive:   master.zip
541fa6b92ea1511fd4b193b511165e3d97a8a325
   creating: xampp-cli-master/
  inflating: xampp-cli-master/CONTRIBUTORS.md
  inflating: xampp-cli-master/LICENSE.md
  inflating: xampp-cli-master/README.md
  inflating: xampp-cli-master/installer
  inflating: xampp-cli-master/xampp-cli
████████████@ip-172-31-71-23:~$ █
```