

Linux Assignment

LINUX PRACTICALS

1. write a command to create new folder.

Command: mkdir(this command will create anew folder.)

Output:-

```
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ dir
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ touch aa
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ dir
aa
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd ..
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ pwd
/home/ankush.dubey@sinform.dom/Desktop
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd a
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ touch b
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cat
hi!! my name is ankush dubey , i am a trainee at the sinform solutions.
hi!! my name is ankush dubey , i am a trainee at the sinform solutions.

^C
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd a
bash: cd: a: No such file or directory
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd aa
bash: cd: aa: Not a directory
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd b
bash: cd: b: Not a directory
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd ..
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd a
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ dir
aa b
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cd aa
bash: cd: aa: Not a directory
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cat > aa
hi!!
^C
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cat> b
iohefsfjklshewwww
^C
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ grep "ohe" b
iohefsfjklshewwww
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ stat b
  File: b
  Size: 19          Blocks: 8          IO Block: 4096   regular file
Device: fc01h/64513d Inode: 11668279  Links: 1
Access: (0644/-rw-r--r--)  Uid: (369203608/ankush.dubey@sinform.dom)   Gid: (369200513/domain users@sinform.dom)
Access: 2026-01-21 15:44:16.488682172 +0530
Modify: 2026-01-21 15:44:11.970701885 +0530
Change: 2026-01-21 15:44:11.970701885 +0530
 Birth: 2026-01-21 15:36:15.166745263 +0530
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ aa saveas ab
Command 'aa' not found, but can be installed with:
apt install astronomical-almanac
Please ask your administrator.
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ mv aa ab
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ dir
ab b
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ cp ab az
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$ dir
ab az b
ankush.dubey@sinform.dom@sf-cpu-551: ~/Desktop/a$
```

- 2.write a command to find the current path of the folder

Command:-pwd

Output:-

Ankush

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```
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop$ pwd  
/home/ankush.dubey@simform.dom/Desktop  
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop$
```

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3.write a command to move into new created folder.

Command :-> `cd new_folder_name`

Output:-

```
mkdir: cannot create directory 'hnan': file exists
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop$ mkdir hello
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop$ cd hello
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/hello$
```

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4.write a command to create new file.

command: touch file_name

Output:-

```
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop$ touch a
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop$
```

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5.write a command to add some content in a file.

Command -> cat > file_name

Output:-

```
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop$ cat > b
hii good afternoon everyone
^C
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop$ grep hii b
```

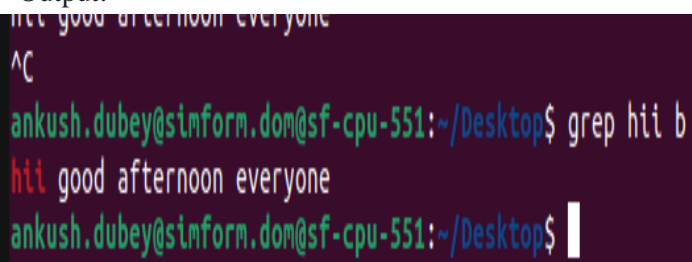
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6.write a command to find a specific word from a file.

Command -> `grep word file_name`

Output:-



```
hi good afternoon everyone
^C
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop$ grep hi b
hi good afternoon everyone
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop$
```

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7.write a command to find the size of a file.

Command:- stat file_name

Output:-

```
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/e$ stat b
  File: b
  Size: 19          Blocks: 8          IO Block: 4096   regular file
Device: fc01h/64513d Inode: 11668279   Links: 1
Access: (0644/-rw-r--r--)  Uid: (369203608/ankush.dubey@simform.dom)   Gid: (369200513/domain users@simform.dom)
Access: 2026-01-21 15:44:16.488682172 +0530
Modify: 2026-01-21 15:44:11.970701885 +0530
Change: 2026-01-21 15:44:11.970701885 +0530
 Birth: 2026-01-21 15:36:15.166745263 +0530
```

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8.write a command to rename that file

command ->mv file1 file2

Output:-

```
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/a$ mv aa ab
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/a$ dir
ab b
```


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9.write a command to make a copy of a file with another name.

Command:- cp file1 file2

Output:-

```
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/a$ cp ab az
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/a$ dir
ab az b
```

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10. Write a command to show the list of files in folder.

Command-> `dir`

Output :-

```
ankush.dubey@simform.dom@sf-cpu-551: ~/Desktop/a$ dir
ab az b
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/a$
```

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11. write a command to move that file to desktop.

Command:-> `mv filename ~/Desktop/`

Output:-

```
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/a$ mv az ~/Downloads/  
ankush.dubey@simform.dom@sf-cpu-551:~/Desktop/a$ chmod 744 ab  
chmod: cannot access 'ab': No such file or directory
```

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12.write a command to change permissions of the file.

Command:-> `chmod 744 az`

`chmod 744 b`

`chmod 7 b`

output:->

```
ankush.dubey@sinform.domsf-cpu-551:~/Desktop/$ chmod 744 ab
chmod: cannot access 'ab': No such file or directory
ankush.dubey@sinform.domsf-cpu-551:~/Desktop/$ chmod 744 az
chmod: cannot access 'az': No such file or directory
ankush.dubey@sinform.domsf-cpu-551:~/Desktop/$ chmod 744 b
ankush.dubey@sinform.domsf-cpu-551:~/Desktop/$ chmod 7 b
ankush.dubey@sinform.domsf-cpu-551:~/Desktop/$ cd ..
ankush.dubey@sinform.domsf-cpu-551:~/Desktop$ cd ..
ankush.dubey@sinform.domsf-cpu-551:~/Downloads$ rm -f az
ankush.dubey@sinform.domsf-cpu-551:~/Downloads$ dir
Employee_Acknowledgment_Summary_and_Consent.pdf  Homebrew-brew-5.0.11-8-g8582f2a\ (1).tar.gz  Homebrew-brew-5.0.11-8-g8582f2a.tar.gz  sdsf  The\ Linux\ Command\ Line.pdf
ankush.dubey@sinform.domsf-cpu-551:~/Downloads$ rm -r sdsf
ankush.dubey@sinform.domsf-cpu-551:~/Downloads$ dir
```

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13. write a command to delete file

command:-> rm -r dir (delete directory)

rm -f file_name(delete file)

output:->

```
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ rm -f az
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ dir
Employee_Acknowledgment_Summary_and_Consent.pdf  Homebrew-brew-5.0.11-8-g8582f2a\ (1).tar.gz  Homebrew-brew-5.0.11-8-g8582f2a.tar.gz  sdsf  The\ Linux\ Command\ Line.pdf
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ rm -r sdsf
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ dir
Employee_Acknowledgment_Summary_and_Consent.pdf  Homebrew-brew-5.0.11-8-g8582f2a\ (1).tar.gz  Homebrew-brew-5.0.11-8-g8582f2a.tar.gz  The\ Linux\ Command\ Line.pdf
```

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14. Write a command to delete created folder.

Command:-rm -r dir (delete directory dir).

Output:-

```
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ rm -f az
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ dir
Employee_Acknowledgment_Summary_and_Consent.pdf  Homebrew-brew-5.0.11-8-g8582f2a\ (1).tar.gz  Homebrew-brew-5.0.11-8-g8582f2a.tar.gz  sdsf  The\ Linux\ Command\ Line.pdf
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ rm -r sdsf
ankush.dubey@sinform.dom@sf-cpu-551:~/Downloads$ dir
Employee_Acknowledgment_Summary_and_Consent.pdf  Homebrew-brew-5.0.11-8-g8582f2a\ (1).tar.gz  Homebrew-brew-5.0.11-8-g8582f2a.tar.gz  The\ Linux\ Command\ Line.pdf
```

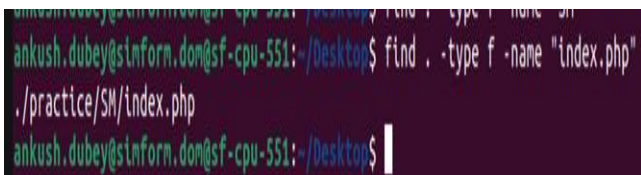
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15.write a command to command to find a any file on local machine.

Command:-`find . -type f -name "file_name"`

Output:-

A terminal window with a dark purple background and green text. The prompt is 'ankush.dubey@inform.dom@sf-cpu-551: ~/Desktop\$'. The command 'find . -type f -name "index.php"' is entered. The output is './practice/SM/index.php'. The prompt returns to 'ankush.dubey@inform.dom@sf-cpu-551: ~/Desktop\$' with a cursor.

```
ankush.dubey@inform.dom@sf-cpu-551: ~/Desktop$ find . -type f -name "index.php"
./practice/SM/index.php
ankush.dubey@inform.dom@sf-cpu-551: ~/Desktop$
```

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16.write a command to create a zip of files from specific path on local machine.

Command:-zip -r filename current_Path

Output:->

```
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/1$ zip -r b /home/ankush.dubey@sinform.dom/Desktop/a
  adding: home/ankush.dubey@sinform.dom/Desktop/a/ (stored 0%)
  adding: home/ankush.dubey@sinform.dom/Desktop/a/b (deflated 25%)
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/1$ unzip b
Archive:  b
End-of-central-directory signature not found. Either this file is not
a zipfile, or it constitutes one disk of a multi-part archive. In the
latter case the central directory and zipfile comment will be found on
the last disk(s) of this archive.
note:  b may be a plain executable, not an archive
Archive:  b.zip
  creating: home/ankush.dubey@sinform.dom/Desktop/a/
  inflating: home/ankush.dubey@sinform.dom/Desktop/a/b
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/1$ unzip b.zip
Archive:  b.zip
replace home/ankush.dubey@sinform.dom/Desktop/a/b? [y]es, [n]o, [A]ll, [N]one, [r]ename: yes
  inflating: home/ankush.dubey@sinform.dom/Desktop/a/b
```


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17.write a command to unzip.

Command:-unzip file_name

Output:->

```
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/z$ zip -r b /home/ankush.dubey@sinform.dom/Desktop/a
adding: home/ankush.dubey@sinform.dom/Desktop/a/ (stored 0%)
adding: home/ankush.dubey@sinform.dom/Desktop/a/b (deflated 25%)
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/z$ unzip b
Archive: b
End-of-central-directory signature not found. Either this file is not
a zipfile, or it constitutes one disk of a multi-part archive. In the
latter case the central directory and zipfile comment will be found on
the last disk(s) of this archive.
note: b may be a plain executable, not an archive
Archive: b.zip
  creating: home/ankush.dubey@sinform.dom/Desktop/a/
  inflating: home/ankush.dubey@sinform.dom/Desktop/a/b
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/z$ unzip b.zip
Archive: b.zip
replace home/ankush.dubey@sinform.dom/Desktop/a/b? [y]es, [n]o, [A]ll, [N]one, [r]ename: yes
  inflating: home/ankush.dubey@sinform.dom/Desktop/a/b
```

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18. Write a command to download file from specific location on the internet.

Command:-`wget link/path/to/file.zip`

Output:-

```
ankush.dubey@inform.dom@sf-cpu-551:~/Desktop$ wget welocme.com
--2026-01-22 17:03:45-- http://welocme.com/
Resolving welocme.com (welocme.com)... failed: Name or service not known.
```

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19. Write command to see last 10 lines of a file.

Command:-> tail filename

Output:-

```
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/a$ stat b
  File: b
  Size: 67          Blocks: 8          IO Block: 4096   regular file
Device: fc01h/64513d Inode: 11668280  Links: 1
Access: (0744/-rwxr--r--)  Uid: (369203608/ankush.dubey@sinform.dom)   Gid: (369200513/domain users@sinform.dom)
Access: 2026-01-21 16:18:53.054207731 +0530
Modify: 2026-01-21 16:18:44.697243064 +0530
Change: 2026-01-21 16:18:44.698243060 +0530
 Birth: 2026-01-21 16:18:44.697243064 +0530
ankush.dubey@sinform.dom@sf-cpu-551:~/Desktop/a$ tail b

fe
ef
f
eef

f
f
f
```

S

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20. Write command to see history of a file.

Command-> stat filename

Output:-

```
ankush.dubey@sinform.don$ sf-cpu-551: ~/Desktop/a$ stat b
File: b
Size: 67          Blocks: 8          IO Block: 4096   regular file
Device: fc01h/64513d Inode: 11668280    Links: 1
Access: (0744/-rwxr--r--)  Uid: (369203608/ankush.dubey@sinform.don)   Gid: (369200513/domain users@sinform.don)
Access: 2026-01-21 16:18:53.054207731 +0530
Modify: 2026-01-21 16:18:44.697243064 +0530
Change: 2026-01-21 16:18:44.698243060 +0530
 Birth: 2026-01-21 16:18:44.697243064 +0530
ankush.dubey@sinform.don$ sf-cpu-551: ~/Desktop/a$ tail b

fe
ef
f
eef

f
f
f
```