

Practical No. 6

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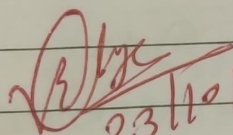
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Sub :- OS

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23/10/19

Aim :- Understand file attributes using options of ls command.

1. Is command

Is command is one of the most frequently used command in linux. I believe Is command is the first command you may use when you get into the command prompt of linux Box.

We use Is command daily basis and frequently even though we may not aware never use all the Is option available.

Syntax

ls

Example

~~sssit @java tpoint : ~\$ ls~~

~~Created Documents music public untitled folder
Desktop Documents new started videos
Disk 1 examples desktop pictures templates~~

2. ls -l command

The ls command will only display the files. But if you want your files to be displayed in a long list format then you can use ls -l command.

Syntax

ls -l

Example

sssit@javaTpoint : ~\$ ls -l

total 52

draw xr-xr-x-2 sssit sssit 4096 may 12 11:28 Desktop

draw x-...-4 sssit sssit 4096 may 18 11:27 Disk1

draw x-xr-x-2 sssit sssit 4096 may 18 11:55 Documents

draw x-xr-x-3 sssit sssit 4096 may 11 11:55 Downloads

+rw-r-r--1 sssit sssit 8445 may 12 04:23 example Desktop

draw x-xr-x-2 sssit sssit 4096 may 12 04:27 music

draw xr-xr-x-2 sssit sssit 4096 may 18 11:21 picture

draw xr-xr-x-2 sssit sssit 4096 may 12 4:27 public

draw xr-xr-x-2 sssit sssit 4096 may 12 4:27 Template

draw xr-xr-x-2 sssit sssit 4096 may 18 4:27 untitled

draw xr-xr-x-2 sssit sssit 4096 may 12 9:27 videos

3. JS - a command

It will give you the whole list of a directory including the hidden files also. In linux, hidden files start with a dot (.) & can't be seen in the regular directory.

Syntax :

JS - a

example

sssit@javaTpoint : ~\$ js -a

dmrc .gtk bookmasks .pulse-cookie

.Documents .gvfs .Templates

.abcd.txt Downloads .JES authority thumbnails

.bash-history examples.desktop .local untitled folder

.bashrc .fontconfig .mazilla .xauthority

4. **ls -r Command**
To list files in reverse order, append the **ls -r** flag as shown

Syntax

ls -r

Example

```
sssit@javatpoint: ~$ ls -r
videos pdfsam-3.3.6.1.all.deb Downloads
Templates Neofetch Documents
public Music Desktop
pictures metamorphose-2.0.8.all.deb Battle.net setup.exe
```

5. **ls -lh Command**

As you may have noticed, the file and sized displayed are not easy to decipher are not easy to decipher and make sense of at first glance. To easily identify the file sizes as kilobytes (kB), megabytes (MB) or Gigabytes (GB) append the **lh** flag as shown.

Syntax

ls -lh

Example

```
sssit@javatpoint: ~$ ls -lh
```

total 18M

rwxy-nr-n-1	root	root	4.5M	17 07:01	Battle.net
drawr-nr-n-3	junie	junie	4.0K	5 03:30	Desktop
drawr-nr-n-2	junie	junie	4.0K	5 2018	Documents
drawr-nr-n-3	junie	junie	4.0K	17 06:49	Download

-rw-r--r--	jamie	jamie	176k	2001	linux.fun
-rw-r--r--	jamie	jamie	449k	06/59	metamorphi.
-rw-r--r--	jamie	jamie	4.0k	2018	music
drwxr-xr-x	jamie	jamie	1.5k	07:01	Neafetch
-rw-r--r--	root	root	1.5k	07:01	pdfsam.me
-rw-r--r--	root	root	14k	2018	pictures
drwxr-xr-x	jamie	jamie	367k	2018	public
drwxr-xr-x	jamie	jamie	4.0k	2018	templates
drwxr-xr-x	jamie	jamie	4.0k	2018	videos
drwxr-xr-x	jamie	jamie	4.0k	2018	videos

6. **ls -li** command
 To display the inode number of files and directories, append the **-li** flag at the end of the **ls** command as shown.

Syntax

ls -li

example

```

sssit@javaTpoint:~$ ls -li
554915 Battle.net.setup.exe 554912 metamorphase.dep
536400 Desktop 536405 music
536404 Documents 544911 Neafetch
536401 Downloads 544914 pdfsam-3.3.deb
544901 Linux for beginners pdf 544913 pp-pdf-sam.merge.pdf
536406 pictures 536406 public
536402 templates 536407 videos
  
```


7. ls -f command

syntax

ls -f

example

```
sssit @ javaTpoint : ~$ ls -f
Bottle.net.setup.exe net.morphase.2.0p.deb pictures/
Desktop/ music/ public/
Documents/ nobetch templates/
Downloads/ pdfsam-3.3.6.1.deb videos/
Linux.for.beginners.pdf pdfsam-merge.pdf
```

8. ls -R command

To display the directory tree files and folders use the ls -R command as shown.

syntax

ls -R

example

```
sssit @ javaTpoint : ~$ ls -R
Bottle.net.setup.exe net.morphase.2.08.deb pictures
Desktop music public
Documents nobetch templates
Downloads pdfsam-3.3.6.1.all.deb videos
Linux for beginners pdfsam.merge.pdf
```

/ Desktop

docs

/ Desktop / docs:

file.txt file2.txt file3.txt file4.txt

/ Documents.

install vlc media player

/Downloads

Bottle net-setup.exe metamorphase 2.0.8 deb PDF.merge .exe

Linux .for.beginners 2.pdf Nobetch test.folder

Linux .for-engineers.pdf pdfsam.3.3.6.1 deb

/Downloads /test-folder:

file.txt file 2.txt

/music:

file.mp3 file.mp3

Is -- version Command

It shows version of Is command, if you are ab curious as to what version of Is you are running execute the command below

syntax

`Is -- version`

Is -Its command

shows latest modification file or directory date at last.

syntax

`Is -Its`

example

```
sssit@javarpoint: ~$ Is -Its
-rw-r--r-- 1 root root 11439 Jul 31 2:31 Desktop
-rw-r--r-- 1 root root 48867 Jul 31 2:17 Video
-rw-r--r-- 1 root root 1586 Jul 31 2:17 public
downx.ny-2 root root 4096 Jul 31 2:48 music
```

```
downx.ny-2 root root 4096 Jul 31 2:48 Templates
```

IS - help

It shows the helppage with three options v

syntax

```
IS --help
```

example

```
sssit @java7point : ~$ IS --help
```

```
usage: IS [option] -- [file]...
```

List information about

-a, --all do not ignore entries starting with

-A, --allmost all do not list implied and....

conclusion:

Then we study & perform all IS operation.

~~Ques~~
23/11/19