

PRACTICAL:1

AIM: Introduction to Linux terminal and fun commands on Linux.

Fun commands on Linux terminals are:

(1). sl - Steam Locomotive: -

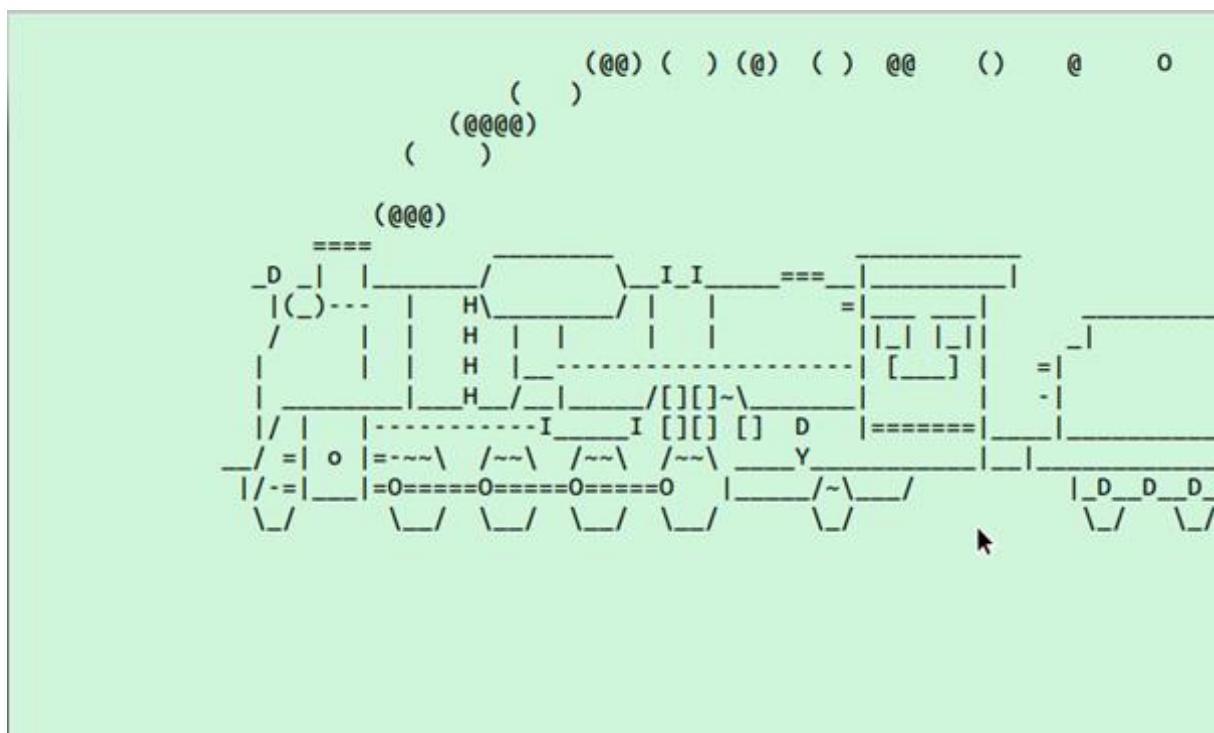
With the sl command, a steam locomotive will run across your terminal from right to left. And it looks like this

Install sl using,

```
sudo apt-get install sl
```

Run using,

```
sl
```



(2). ls: -

The ls command lists all files in the directory that match the name.

Install ls using,

```
sudo apt-get install ls
```

Run ls using,

```
ls
```

```
guest-q3d1Jo@acer-pc:~$ ls
Desktop  Downloads  Music  Public  Videos
Documents  examples.desktop  Pictures  Templates
guest-q3d1Jo@acer-pc:~$ █
```

(3). fortune: -

The fortune command will put up a random, but hopefully sensible quote, or your fortune for the day.

Install fortune using,

```
sudo apt-get install fortune
```

Run fortune using,

```
fortune
```

```
guest-q3d1Jo@acer-pc:~$ fortune
You're definitely on their list. The question to ask next is what list it is.
guest-q3d1Jo@acer-pc:~$ █
```

(4). rev - Reverse text and files: -

The rev command will print the reverse of whatever you type in. First run rev, then start typing one sentence at a time. Rev is a simple command which reverses the text which you give as input.

Run rev using,

```
rev
```

Press Enter.

Then enter the text and press enter to get the reversed text.

```
guest-q3d1jo@acer-pc:~$ rev
hello
olleh
|
```

(5). factor - factorise numbers: -

This command would print out all the lowest common multiple (LCM) factors of any given number.

Factor is a simple command line utility with which you can get the prime factors of any number you give as input.

To find the factor of any number,
factor number

```
guest-q3d1jo@acer-pc:~$ factor
350
350: 2 5 5 7
255
255: 3 5 17
|
```

(6). cowsay: -

Cowsay is a fun command with which your input text is displayed by a cow (ASCII art generated) or any other animal of your wish.

Install cowsay with the command,

sudo apt-get install cowsay

Various cowsay commands you can try are,

cowsay message

```
guest-q3d1jo@acer-pc:~$ cowsay hello
< hello >
-----
 \  ^__^
  (oo)\_____
   (__)\       )\/\
    ||----w |
    ||     ||
guest-q3d1jo@acer-pc:~$
```

(7). fortune|cowsay: -

Install fortune|cowsay with sudo-apt install fortune|cowsay.

Fortune|cowsay is a talking cow that will speak out the fortune.

```
guest-q3d1jo@acer-pc:~$ fortune|cowsay
/ Steady movement is more important than \
| speed, much of the time. So long as \
| there is a regular progression of \
| stimuli to get your mental hooks into,
| there is room for lateral movement.
| Once this begins, its rate is a matter
| of discretion.
|
\ ... Corwin, Prince of Amber
-----
 \  ^__^
  (oo)\_____
   (__)\       )\/\
    ||----w |
    ||     ||
guest-q3d1jo@acer-pc:~$
```

(8). xcowsay: -

Inspired by the original cowsay, the xcowsay does the same things as cowsay but in a graphical manner.

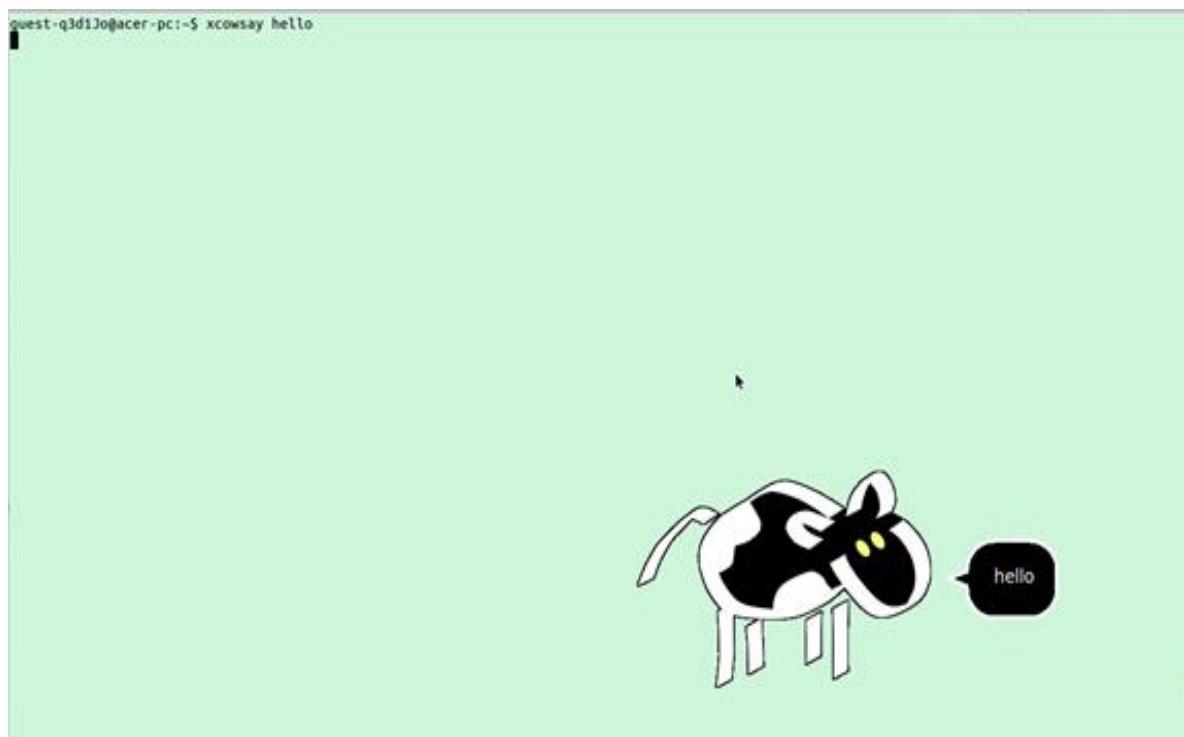
xcowsay is a command with which your input text is displayed by a graphical cow.

Install cowsay with the command,

sudo apt-get install xcowsay

Let us see some xcowsay commands,

xcowsay message



(9). cowthink: -

The cow can do more than just talking, it can even think. To make the cow think, use the `cowthink` command.

A terminal window with a light green background and a black border. The text inside is white. At the top, it says "administrator@acer-pc:~\$ cowthink MAD". Below that is the ASCII art of a cow, which is a complex drawing of a cow's head and body using various symbols like 'o', '^', '(', ')', and '|'. To the right of the cow, there is a small black cursor arrow pointing upwards. At the bottom of the window, it says "administrator@acer-pc:~\$ █".

(10). Loop with yes: -

The yes command will go on printing the same thing indefinitely until stopped by a Ctrl+Z. The command apparently appears to have no use, but in scenarios like software testing it is often needful to produce large amounts of junk text quickly and that is where tools like this come in handy.

Yes is a command which displays a given text in an infinite loop.

Run using the command,

yes text

(11). toilet - draw banners: -

The `toilet` command draws large sized text banners using smaller characters.

(12). cmatrix: -

CMatrix is a simple program that shows the cool matrix scrolling lines in the terminal.

CMatrix lets you to see matrix film like screensavers in your terminal.

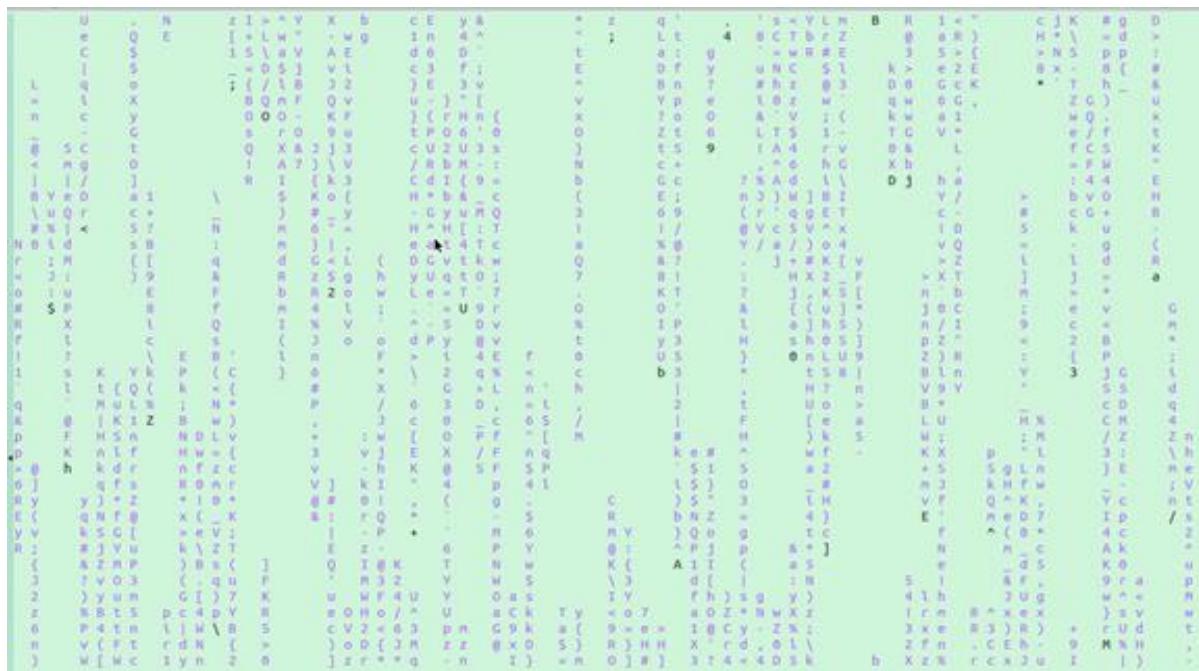
Install `cmatrix` using,

```
sudo apt-get install cmatrix
```

Run using,

cmatrix

cmatrix –help, for more options



(13). aafire - burn the console: -

The next command is aafire and it too is an ASCII art animation that renders a burning fire on the terminal.

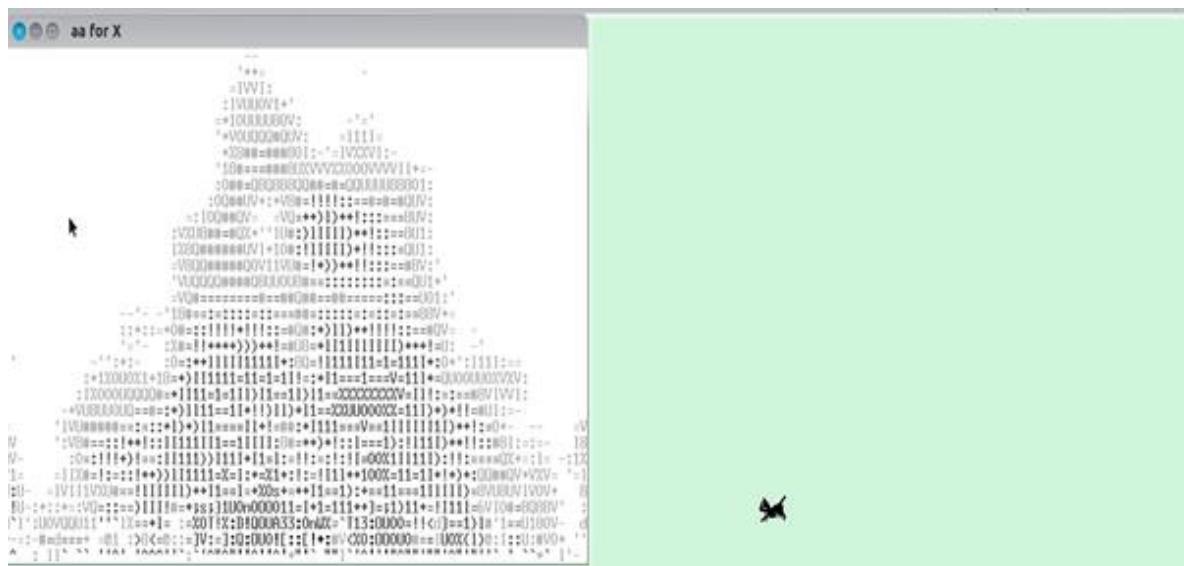
aafire displays a ASCII art fireplace at your terminal.

Install aafire using,

sudo apt-get install aafire

Run aafire using,

aafire



(14). oneko: -

“oneko” package comes to the rescue, which attaches “Jerry” the famed mouse to your mouse pointer and you can see that little cute mouse run along with your pointer.

This command displays a cat (Tom) which will hunt your mouse pointer (Jerry) all over the screen.

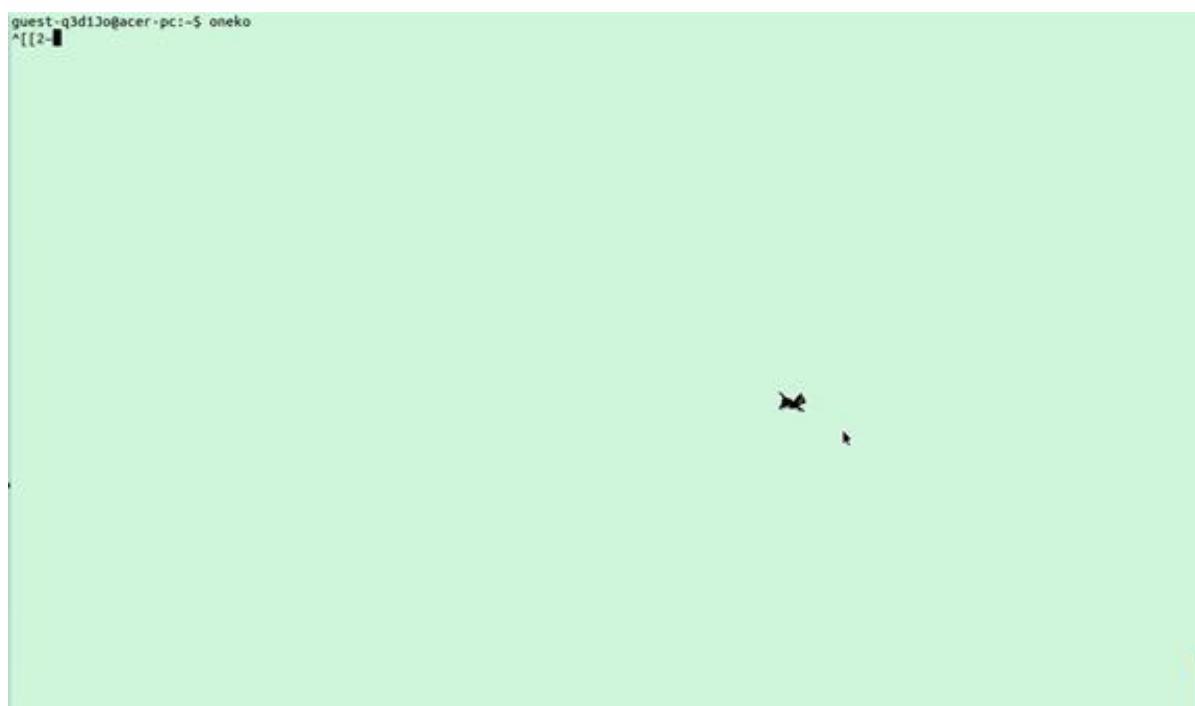
To install oneko,

sudo apt-get install oneko

Run it using,

oneko

To quit press ctrl+z.



(15). bb: -

Want to see how visualization will be in terminal?? then follow the simple steps

Install using,
sudo apt-get install bb

Run using the command,

bb

To enable music press y else press n.

Press 8 to continue or press displayed nos to enable or disable the option.

Conclusion: -

After performing this practical we can understand the fun commands of Linux operating system.