_	1 1 5 11		. •	1		111
100	neck Deskto	p environment	; major	distributions	gnome and	з кае

ls /usr/bin/*session

Releaese

lsb_release - print distribution-specific information

Linux standard base

lsb_release -a

for more information

lsb_release --help

Print system specific information

uname

Kernel name

uname -s

Node name

uname -n
uname -a #all the details

More information

man uname

To print hostname				
hostname				
To print effective username/Logged in user				
whoami				
Displaying information about USB buses in the system and the devices connected to them.				
lsusb				
Displaying information about PCI buses in the system and devices connected to them				
lspci				
Cursor Movement				
up-arrow # to see previous command tab - to print remaning words in a command				
Some more commands				
displaying calendar				
cal				
to display the amount of free memory				
free				

to close a terminal session

exit

list specific file

ls -l <nameoffile>

Field explanation

Field 1 – file permission

- - normal file
- d:directory
- s:socket file
- l:link file

-rw-r--r-- 1 bhupendra bhupendra user, group, any/others

60 Aug 28 21:09 ntp-server.txt

Field 2 – Number of links: (like 1,2,3 depends)

Field 3 – Owner

Field 4 – Group

Field 5 – Size (bytes)

Field 6 – Last modified date and time

Field 7 – File name

ls -a #list all the hidden files and directories

to write some content inside a file

echo

echo <somemsg> > <nameoffile> #if file NA on the file is created, overright of data is already available echo <somemsg> >> <name of the file> #append contents in a file

change permission of the file

chmmod #change file mode bits numeric -0 - nothing 4 -only read 2 - only write 1 - only execute 4+1 = 5 read and execute 4+2 = 6 read and write both 4+2+1 = 7 read, write and execute chmod 700 a.txt #readwriteexeute to user only Letters r -read w - write x -execute u -user g -group o -other Assign user 'read write and execute' permissions (+ to add) chmod u+rwx a.txt Remove user's 'read write and execute' permissions (- to remove)

chmod u-rwx a.txt

copy a file

```
cp <sourcepath> <destinationpath>
```

move file

```
mv <sourcepath> <destinationpath>
```

Mapping of host and IP address:

```
BHIoT$ cat /etc/hosts
127.0.0.1 localhost
127.0.1.1 iot
127.0.1.2 bhupendra.iot
```

The following lines are desirable for IPv6 capable hosts

```
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

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