SOME BASIC LINUX COMMAND

FILE AND DIRECTORY OPERATION

1. **LS:** **List directory contents**

```
  ┌──(rojesh㉿kali)-[~]
  └─$ ls
Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos
```

2. **Touch:** **The touch command is used primarily to create new empty files.**

```
  ┌──(rojesh㉿kali)-[~]
  └─$ cd Desktop

  ┌──(rojesh㉿kali)-[~/Desktop]
  └─$ touch rojesh.txt

  ┌──(rojesh㉿kali)-[~/Desktop]
  └─$ touch os.ppt
```

3. **RM:** **The rm command is used to delete created file.**

```
  ┌──(rojesh㉿kali)-[~/Desktop]
  └─$ rm rojesh.txt

  ┌──(rojesh㉿kali)-[~/Desktop]
  └─$ rm os.ppt
```

4. **MKDIR:** make directory.
5. **RMDIR:** remove directory.

```
┌──(rojesh㉿kali)-[~/Desktop]
└─$ ls

┌──(rojesh㉿kali)-[~/Desktop]
└─$ mkdir rojeshhumagain

┌──(rojesh㉿kali)-[~/Desktop]
└─$ mkdir pravinmagar

┌──(rojesh㉿kali)-[~/Desktop]
└─$ ls
pravinmagar    rojeshhumagain

┌──(rojesh㉿kali)-[~/Desktop]
└─$ rmdir rojeshhumagain

┌──(rojesh㉿kali)-[~/Desktop]
└─$ rmdir pravinmagar
```

6. **MV:** Move or rename files or directories.

```
┌──(root㉿kali)-[/home/rojesh/Desktop]
└─# ls
hello  rn.txt  rojesh.txt

┌──(root㉿kali)-[/home/rojesh/Desktop]
└─# mv hello hellorojesh

┌──(root㉿kali)-[/home/rojesh/Desktop]
└─# ls
hellorojesh  rn.txt  rojesh.txt
```

7. **FIND:** Search for files in a directory hierarchy.

8. **ECHO/PRINTF:** To add text to the end of a file, you can use redirection with echo or printf commands.

9. **More:** View file content one screen at a time.

10. **PWD:** Prints the current working directory.

SYSTEM OPERATION

11. **UNAME:** Shows system information.

12. **DF:** Shows disk space usage.

13. **du:** Displays disk usage of files and directories.

```
┌──(rojesh㊀kali)-[~/Desktop]
└─$ uname -a

Linux kali 6.6.15-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.6.15-2kali1 (2024-05-17) x86_64 GNU/Linux

┌──(rojesh㊀kali)-[~/Desktop]
└─$ df -h

Filesystem      Size  Used Avail Use% Mounted on
udev            1.9G     0  1.9G   0% /dev
tmpfs           393M  1.1M  392M   1% /run
/dev/sda1        99G   15G   79G  16% /
tmpfs           2.0G     0  2.0G   0% /dev/shm
tmpfs           5.0M     0  5.0M   0% /run/lock
tmpfs           393M  2.5M  390M   1% /run/user/1000

┌──(rojesh㊀kali)-[~/Desktop]
└─$ du -sh hellorojesh
4.0K    hellorojesh
```

NETWORK OPERATION

14. **Ping:** Checks network connectivity.

```
┌──(rojesh㊀kali)-[~/Desktop]
└─$ ping www.google.com
PING www.google.com (142.250.195.228) 56(84) bytes of data.
64 bytes from maa03s43-in-f4.1e100.net (142.250.195.228): icmp_seq=1 ttl=116 time=46.9 ms
64 bytes from maa03s43-in-f4.1e100.net (142.250.195.228): icmp_seq=2 ttl=116 time=41.4 ms
64 bytes from maa03s43-in-f4.1e100.net (142.250.195.228): icmp_seq=3 ttl=116 time=40.9 ms
64 bytes from maa03s43-in-f4.1e100.net (142.250.195.228): icmp_seq=4 ttl=116 time=40.2 ms
64 bytes from maa03s43-in-f4.1e100.net (142.250.195.228): icmp_seq=5 ttl=116 time=40.7 ms
64 bytes from maa03s43-in-f4.1e100.net (142.250.195.228): icmp_seq=6 ttl=116 time=42.9 ms
64 bytes from maa03s43-in-f4.1e100.net (142.250.195.228): icmp_seq=7 ttl=116 time=40.0 ms
^C
─── www.google.com ping statistics ───
7 packets transmitted, 7 received, 0% packet loss, time 6145ms
rtt min/avg/max/mdev = 39.972/41.841/46.873/2.243 ms
```

15. **IFCONFIG**: The command ifconfig is used in Linux and Unix-like operating systems to configure network interfaces and display their current configuration

Package management

16. **apt-get:** Manages packages.