THADOMAL SHAHANI ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

1.Study basic commands in unix : LO1

Aim: Study of basic commands in unix

Echo:

The echo command prints a line of text or a variable's value to the terminal. It is commonly used in shell scripts and command-line interactions.

```
pratham10@DESKTOP-K9GVHM1:~$ ls
NS2  Pratham
pratham10@DESKTOP-K9GVHM1:~$ cd Pratham
pratham10@DESKTOP-K9GVHM1:~/Pratham$ echo Hello
Hello
pratham10@DESKTOP-K9GVHM1:~/Pratham$ _
```

Date:

The date command shows the current system date and time. You can format the output as needed.

Time:

The time command measures the time taken by a command to execute.

```
Hello
pratham10@DESKTOP-K9GVHM1:~/Pratham$ time

real    0m0.000s
user    0m0.000s
sys     0m0.000s
pratham10@DESKTOP-K9GVHM1:~/Pratham$ uptime
```

Uptime:

Displays how long the system has been running, along with the number of users and system load.

```
sys     0m0.000s
pratham10@DESKTOP-K9GVHM1:~/Pratham$ uptime
 12:27:17 up 0 min,  0 user,  load average: 0.52, 0.58, 0.59
pratham10@DESKTOP-K9GVHM1:~/Pratham$ cal
```

Cal:

Shows a calendar for the current month or a specified year

Cat:

Used to view, create, or merge files

```
sudo apt install ncal
pratham10@DESKTOP-K9GVHM1:~/Pratham$ cat
sample.txt
sample.txt
^C
```

Tty:

Displays the file name of the terminal connected to the standard input.

```
sample.txt
^C
pratham10@DESKTOP-K9GVHM1:~/Pratham$ tty
/dev/tty1
pratham10@DESKTOP-K9GVHM1:~/Pratham$ man
```

Man: Provides detailed documentation on a command

```
mehta@MEHTA:~/dev/tty1
What manual pa  pratham10@DESKTOP-K9GVHM1:~/Pratham$ man
For example,    What manual page do you want?
                For example, try 'man man'.
```

Which:

Shows the absolute path of a command if it is installed

```
or example, try man man .
pratham10@DESKTOP-K9GVHM1:~/Pratham$ which
pratham10@DESKTOP-K9GVHM1:~/Pratham$ which pwd
/usr/bin/pwd
```

Id:

Displays user ID (UID), group ID (GID), and other related information.

```
usr/bin/pwd
pratham10@DESKTOP-K9GVHM1:~/Pratham$ id
uid=1000(pratham10) gid=1000(pratham10) groups=1000(pratham10),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(aud
),30(dip),44(video),46(plugdev),100(users),107(netdev)
pratham10@DESKTOP-K9GVHM1:~/Pratham$ _
```

Pwd:

Displays the current directory path

Whoami : Displays the username of the current user

Ping:

Displays the username of the current user.

Ifconfig: Displays network configuration details

Pr: Formats text for printing by adding headers, footers, and pagination.