

Experiment No. 7

Aim: Configure LAN and use communication and networking commands: **finger**, **talk**, **mesg**, **mailx**, **pine**, **telnet**, **ftp**. Resolving of IP addresses.

1. finger command:

- finger command:

```
sejulpawar@ubuntu:~$ finger sejulpawar
Login: sejulpawar                Name: Sejal Pawar
Directory: /home/sejulpawar      Shell: /bin/bash
On since Thu May 11 11:13 (PDT) on :1 from :1 (messages off)
Last login Thu May 11 11:16 (PDT) on pts/1 from localhost
New mail received Thu May 11 01:45 2023 (PDT)
    Unread since Thu May 11 01:45 2023 (PDT)
No Plan.
sejulpawar@ubuntu:~$
```

- finger -p command:

```
sejulpawar@ubuntu:~$ finger -p sejulpawar
Login: sejulpawar                Name: Sejal Pawar
Directory: /home/sejulpawar      Shell: /bin/bash
On since Thu May 11 11:13 (PDT) on :1 from :1 (messages off)
Last login Thu May 11 11:16 (PDT) on pts/1 from localhost
New mail received Thu May 11 01:45 2023 (PDT)
    Unread since Thu May 11 01:45 2023 (PDT)
sejulpawar@ubuntu:~$
```

- finger -s command:

```
sejulpawar@ubuntu:~$ finger -s sejulpawar
Login      Name      Tty      Idle  Login Time  Office      Office Phone
sejulpawar Sejal Pawar *:1      May 11 11:13 (:1)
sejulpawar Sejal Pawar pts/1    *    May 11 11:16 (localhost)
```

- To create a plan for user:

```
sejalpawar@ubuntu:~$ echo "Planning" > ~/.plan
sejalpawar@ubuntu:~$ finger sejalpawar
Login: sejalpawar                Name: Sejal Pawar
Directory: /home/sejalpawar      Shell: /bin/bash
On since Thu May 11 11:13 (PDT) on :1 from :1 (messages off)
Last login Thu May 11 11:16 (PDT) on pts/1 from localhost
New mail received Thu May 11 01:45 2023 (PDT)
    Unread since Thu May 11 01:45 2023 (PDT)
Plan:
Planning
sejalpawar@ubuntu:~$
```

2. Telnet command:

```
sejalpawar@ubuntu:~$ telnet localhost
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
Ubuntu 20.04.4 LTS
ubuntu login: sejalpawar
Password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.15.0-71-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

102 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

New release '22.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

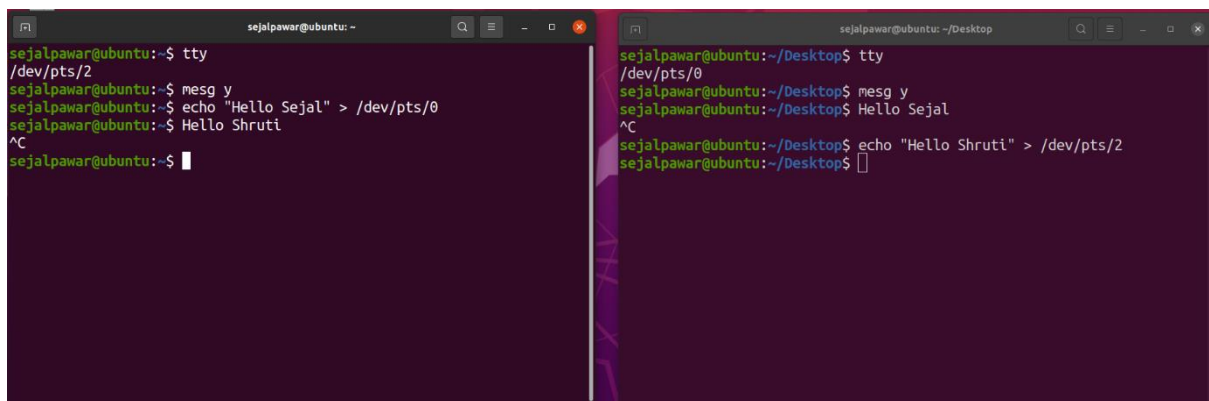
Your Hardware Enablement Stack (HWE) is supported until April 2025.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

You have new mail.
sejalpawar@ubuntu:~$
```

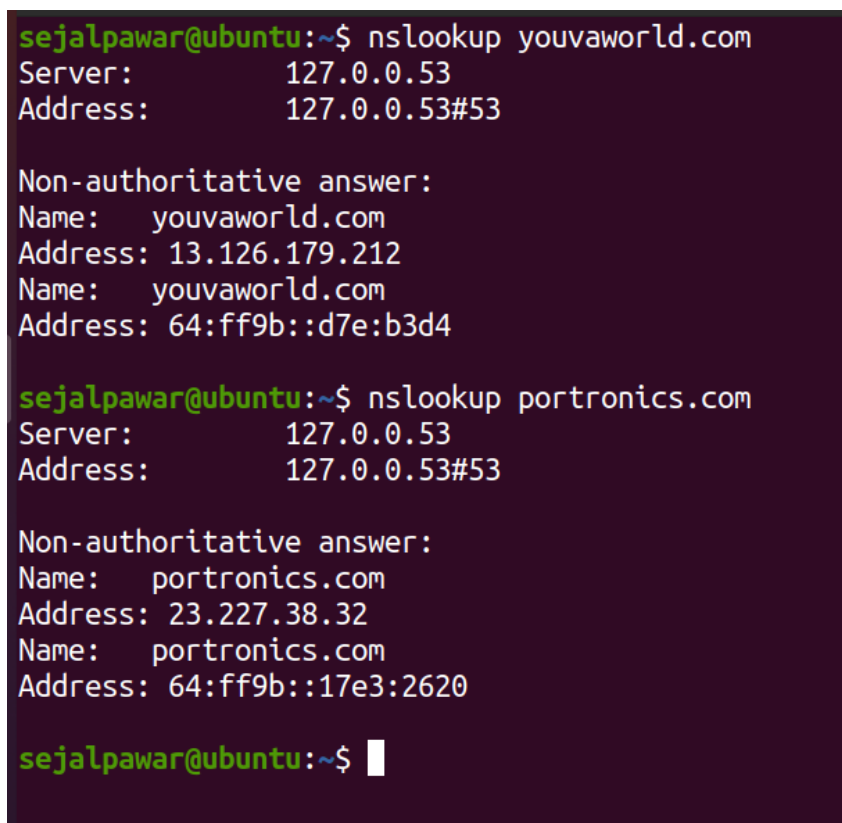
3. mesg command:



```
sejalpawar@ubuntu:~$ tty
/dev/pts/2
sejalpawar@ubuntu:~$ mesg y
sejalpawar@ubuntu:~$ echo "Hello Sejal" > /dev/pts/0
sejalpawar@ubuntu:~$ Hello Shruti
^C
sejalpawar@ubuntu:~$
```

```
sejalpawar@ubuntu:~/Desktop$ tty
/dev/pts/0
sejalpawar@ubuntu:~/Desktop$ mesg y
sejalpawar@ubuntu:~/Desktop$ Hello Sejal
^C
sejalpawar@ubuntu:~/Desktop$ echo "Hello Shruti" > /dev/pts/2
sejalpawar@ubuntu:~/Desktop$
```

4. Resolving of IP address:



```
sejalpawar@ubuntu:~$ nslookup youvaworld.com
Server:          127.0.0.53
Address:         127.0.0.53#53

Non-authoritative answer:
Name:   youvaworld.com
Address: 13.126.179.212
Name:   youvaworld.com
Address: 64:ff9b::d7e:b3d4

sejalpawar@ubuntu:~$ nslookup portronics.com
Server:          127.0.0.53
Address:         127.0.0.53#53

Non-authoritative answer:
Name:   portronics.com
Address: 23.227.38.32
Name:   portronics.com
Address: 64:ff9b::17e3:2620

sejalpawar@ubuntu:~$
```

| Practical Performance (4) | Writeup & Oral (4) | Attendance (2) | Total (10) |
|---------------------------------|-----------------------|-------------------|---------------|
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