

# Network Lab Assignment - 1

Rahul Kumawat  
B180635CS

- **ping** - To determine if a server is responding to requests, you can use Online Ping. You provide an IP address or a domain name, and you can see if the host is responding or not.

```
rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ ping www.amazon.in
PING e15322.a.akamaiedge.net (23.54.89.89) 56(84) bytes of data.
64 bytes from a23-54-89-89.deploy.static.akamaitechnologies.com (23.54.89.89): icmp_seq=1 ttl=57 time=3
3.1 ms
64 bytes from a23-54-89-89.deploy.static.akamaitechnologies.com (23.54.89.89): icmp_seq=2 ttl=57 time=2
6.1 ms
64 bytes from a23-54-89-89.deploy.static.akamaitechnologies.com (23.54.89.89): icmp_seq=3 ttl=57 time=3
1.4 ms
64 bytes from a23-54-89-89.deploy.static.akamaitechnologies.com (23.54.89.89): icmp_seq=4 ttl=57 time=2
5.5 ms
64 bytes from a23-54-89-89.deploy.static.akamaitechnologies.com (23.54.89.89): icmp_seq=5 ttl=57 time=3
1.6 ms
64 bytes from a23-54-89-89.deploy.static.akamaitechnologies.com (23.54.89.89): icmp_seq=6 ttl=57 time=3
2.6 ms
^C
--- e15322.a.akamaiedge.net ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5009ms
rtt min/avg/max/mdev = 25.464/30.038/33.067/3.075 ms
rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$
```

- **tracert/traceroute** - it is a network tool used to show the route taken by packets across two points.

```
rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ traceroute amazon.in
traceroute to amazon.in (54.239.33.92), 30 hops max, 60 byte packets
 1 _gateway (192.168.0.1) 3.638 ms 3.593 ms 5.388 ms
 2 192.168.1.1 (192.168.1.1) 8.708 ms 9.730 ms 16.491 ms
 3 10.20.30.1 (10.20.30.1) 55.621 ms 55.581 ms 55.540 ms
 4 * * *
 5 125.16.217.221 (125.16.217.221) 57.130 ms 57.091 ms abts-north-static-049.191.144.59.airtelbroadband.in (59.144.191.49) 68.352 ms
 6 1.7.142.97 (1.7.142.97) 63.809 ms 45.125 ms *
 7 103.120.29.76 (103.120.29.76) 40.722 ms * 32.227 ms
 8 * 150.222.96.3 (150.222.96.3) 146.527 ms *
 9 52.93.21.83 (52.93.21.83) 153.638 ms * *
10 100.65.226.206 (100.65.226.206) 162.390 ms * *
11 * 172.29.250.33 (172.29.250.33) 54.481 ms *
12 ix-ae-2-591.tcore2.l78-london.as6453.net (80.231.131.81) 215.189 ms mei-b5-link.ip.twelve99.net (62.115.125.194) 208.047 ms 199.646 ms
13 prs-bb2-link.ip.twelve99.net (62.115.124.56) 168.518 ms if-ae-15-2.tcore2.ldn-london.as6453.net (80.231.131.118) 172.371 ms *
14 ldn-bb4-link.ip.twelve99.net (62.115.133.238) 161.651 ms ldn-bb1-link.ip.twelve99.net (62.115.123.68) 164.735 ms 80.231.20.82 (80.231.20.82) 164.691 ms
15 ldn-b2-link.ip.twelve99.net (62.115.122.189) 164.650 ms 54.239.100.224 (54.239.100.224) 160.689 ms *
16 a100-ic-328654-ldn-b4.c.telia.net (80.239.195.91) 307.391 ms * 54.239.101.103 (54.239.101.103) 305.778 ms
17 52.95.61.196 (52.95.61.196) 307.245 ms 52.95.61.186 (52.95.61.186) 307.200 ms *
18 54.239.41.214 (54.239.41.214) 307.104 ms 52.95.61.113 (52.95.61.113) 268.972 ms 150.222.65.75 (150.222.65.75) 268.821 ms
19 * * *
20 * * *
21 * * *
22 * * *
23 * * *
24 * * *
25 * * *
26 * * *
27 * * *
28 * * *
29 * * *
30 * * *
```

- **ip/ifconfig/ipconfig** - It is an IP network configuration tool. This system tray application gives easy access to changing; saving and loading IP address information

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ ifconfig -a
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 156502 bytes 28106782 (28.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 156502 bytes 28106782 (28.1 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.105 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 fe80::8782:9fd0:d2e4:93ec prefixlen 64 scopeid 0x20<link>
    ether 38:ba:f8:9f:e7:c8 txqueuelen 1000 (Ethernet)
    RX packets 746205 bytes 933977586 (933.9 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 465349 bytes 84203734 (84.2 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

```

- **dig**- Dig (Domain Information Gopher) is a DNS lookup utility used for probing DNS servers and troubleshooting problems associated with DNS servers.

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ dig amazon.in

; <<>> DiG 9.16.1-Ubuntu <<>> amazon.in
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 29837
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;amazon.in.                IN      A

;; ANSWER SECTION:
amazon.in.                 54      IN      A       52.95.120.67
amazon.in.                 54      IN      A       52.95.116.115
amazon.in.                 54      IN      A       54.239.33.92

;; Query time: 24 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)

```

- **nslookup** - nslookup (from name server lookup) is used for handling DNS (Domain Name System) lookups and displays crucial information such as MX records, and the IP address associated with a domain name.

```
rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ nslookup amazon.in
Server:          127.0.0.53
Address:         127.0.0.53#53

Non-authoritative answer:
Name:   amazon.in
Address: 54.239.33.92
Name:   amazon.in
Address: 52.95.120.67
Name:   amazon.in
Address: 52.95.116.115
```

- **host** - it is a simple tool used to perform DNS lookups in Linux. It is usually used to resolve a hostname into an IP address or vice-versa.

```
rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ host amazon.in
amazon.in has address 52.95.116.115
amazon.in has address 52.95.120.67
amazon.in has address 54.239.33.92
amazon.in mail is handled by 10 amazon-smtp.amazon.com.
```



- **whois** - whois searches for an object in a WHOIS database. WHOIS is a query and response protocol that is widely used for querying databases that store the registered users of an Internet resource, such as a domain name or an IP address block but is also used for a wider range of other information.

```
rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ whois google.in
Domain Name: google.in
Registry Domain ID: D21089-IN
Registrar WHOIS Server:
Registrar URL: http://www.markmonitor.com
Updated Date: 2021-01-18T10:38:43Z
Creation Date: 2005-02-14T20:35:14Z
Registry Expiry Date: 2022-02-14T20:35:14Z
Registrar: MarkMonitor Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email:
Registrar Abuse Contact Phone:
Domain Status: clientDeleteProhibited http://www.icann.org/epp#clientDeleteProhibited
Domain Status: clientTransferProhibited http://www.icann.org/epp#clientTransferProhibited
Domain Status: clientUpdateProhibited http://www.icann.org/epp#clientUpdateProhibited
Registry Registrant ID: REDACTED FOR PRIVACY
Registrant Name: REDACTED FOR PRIVACY
Registrant Organization: Google LLC
Registrant Street: REDACTED FOR PRIVACY
Registrant Street: REDACTED FOR PRIVACY
Registrant Street: REDACTED FOR PRIVACY
Registrant City: REDACTED FOR PRIVACY
Registrant State/Province: CA
Registrant Postal Code: REDACTED FOR PRIVACY
Registrant Country: US
Registrant Phone: REDACTED FOR PRIVACY
Registrant Phone Ext: REDACTED FOR PRIVACY
Registrant Fax: REDACTED FOR PRIVACY
Registrant Fax Ext: REDACTED FOR PRIVACY
Registrant Email: Please contact the Registrar listed above
Registry Admin ID: REDACTED FOR PRIVACY
Admin Name: REDACTED FOR PRIVACY
Admin Organization: REDACTED FOR PRIVACY
Admin Street: REDACTED FOR PRIVACY
Admin Street: REDACTED FOR PRIVACY
Admin Street: REDACTED FOR PRIVACY
Admin City: REDACTED FOR PRIVACY
Admin State/Province: REDACTED FOR PRIVACY
Admin Postal Code: REDACTED FOR PRIVACY
Admin Country: REDACTED FOR PRIVACY
Admin Phone: REDACTED FOR PRIVACY
Admin Phone Ext: REDACTED FOR PRIVACY
Admin Fax: REDACTED FOR PRIVACY
Admin Fax Ext: REDACTED FOR PRIVACY
Admin Email: Please contact the Registrar listed above
Registry Tech ID: REDACTED FOR PRIVACY
Tech Name: REDACTED FOR PRIVACY
Tech Organization: REDACTED FOR PRIVACY
Tech Street: REDACTED FOR PRIVACY
Tech Street: REDACTED FOR PRIVACY
Tech Street: REDACTED FOR PRIVACY
Tech City: REDACTED FOR PRIVACY
Tech State/Province: REDACTED FOR PRIVACY
Tech Postal Code: REDACTED FOR PRIVACY
Tech Country: REDACTED FOR PRIVACY
```

- **route** - route command in Linux is used when you want to work with the IP/kernel routing table. It is mainly used to set up static routes to specific hosts or networks via an interface. It is used for showing or update the IP/kernel routing table.

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ route
Kernel IP routing table
Destination      Gateway          Genmask          Flags Metric Ref    Use Iface
default          _gateway        0.0.0.0          UG     600    0      0 wlp2s0
link-local       0.0.0.0         255.255.0.0      U      1000   0      0 wlp2s0
192.168.0.0      0.0.0.0         255.255.255.0    U      600    0      0 wlp2s0

```

- **tcpdump** - Tcpdump is a command line utility that allows you to capture and analyze network traffic going through your system. It is often used to help troubleshoot network issues, as well as a security tool.

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ sudo tcpdump
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on wlp2s0, link-type EN10MB (Ethernet), capture size 262144 bytes
19:03:15.540255 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.60258 > del03s07-in-f14.1e100.net.https: Flags [.] , ack 3310886342, win 501, options [nop,nop,TS val 2383483966 ecr 1198103401], length 0
19:03:15.540330 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.55876 > 104.16.190.66.https: Flags [.] , ack 2241836611, win 501, length 0
19:03:15.540343 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.39836 > 199.232.21.253.https: Flags [.] , ack 3221748464, win 501, options [nop,nop,TS val 1685516434 ecr 1901522116], length 0
19:03:15.540357 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.33834 > server-13-35-130-225.del54.r.cloudfront.net.https: Flags [.] , ack 1990196725, win 501, options [nop,nop,TS val 2327780463 ecr 54320669], length 0
19:03:15.543378 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.57593 > _gateway.domain: 49486+ [1au] PTR? 46.221.58.216.in-addr.arpa. (55)
19:03:15.559857 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.60274 > 104.22.2.144.https: Flags [.] , ack 3917102294, win 501, length 0
19:03:15.563848 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.52298 > a23-9-116-188.deploy.static.akamaitechnologies.com.https: Flags [.] , ack 811671291, win 501, options [nop,nop,TS val 665201472 ecr 2025500514], length 0
19:03:15.589048 IP _gateway.domain > rahul-VivoBook-15-ASUS-Laptop-X507UF.57593: 49486 2/0/1 PTR del03s07-in-f14.1e100.net., PTR kul01s10-in-f46.1e100.net. (124)
19:03:15.590718 IP rahul-VivoBook-15-ASUS-Laptop-X507UF.45245 > _gateway.domain: 10671+ [1au] PTR? 105.0.168.192.in-addr.arpa. (55)
19:03:15.604414 IP del03s07-in-f14.1e100.net.https > rahul-VivoBook-15-ASUS-Laptop-X507UF.60258: Flags [.] , ack 1, win 261, options [nop,nop,TS val 1198148483 ecr 2383392566], length 0
19:03:15.604859 IP server-13-35-130-225.del54.r.cloudfront.net.https > rahul-VivoBook-15-ASUS-Laptop-X507UF.33834: Flags [.] , ack 1, win 269, options [nop,nop,TS val 54365751 ecr 2327553534], length 0
19:03:15.604863 IP 199.232.21.253.https > rahul-VivoBook-15-ASUS-Laptop-X507UF.39836: Flags [.] , ack 1, win 133, options [nop,nop,TS val 1901567196 ecr 1685290510], length 0
19:03:15.615238 IP _gateway.domain > rahul-VivoBook-15-ASUS-Laptop-X507UF.45245: 10671 NXDomain* 0/1/1 (110)

```

- **netstat/ss** - netstat (network statistics) is a command line tool for monitoring network connections both incoming and outgoing as well as viewing routing tables, interface statistics etc.



```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ netstat -l
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 localhost:ipp            0.0.0.0:*               LISTEN
tcp        0      0 localhost:domain        0.0.0.0:*               LISTEN
tcp6       0      0 ip6-localhost:ipp       [::]:*                  LISTEN
tcp6       0      0 [::]:27121              [::]:*                  LISTEN
udp        0      0 localhost:domain        0.0.0.0:*               *
udp        0      0 0.0.0.0:32830           0.0.0.0:*               *
udp        0      0 0.0.0.0:631             0.0.0.0:*               *
udp        0      0 224.0.0.251:mdns        0.0.0.0:*               *
udp        0      0 0.0.0.0:mdns            0.0.0.0:*               *
udp6       0      0 [::]:57276              [::]:*                  *
udp6       0      0 [::]:mdns                [::]:*                  *
raw6       0      0 [::]:ip6v6-icmp         [::]:*                  7

Active UNIX domain sockets (only servers)
Proto RefCnt Flags       Type       State      I-Node  Path
unix   2      [ ACC ] STREAM    LISTENING   37990    @/tmp/dbus-06vB01sw
unix   2      [ ACC ] SEQPACKET LISTENING   2784     /run/udev/control
unix   2      [ ACC ] STREAM    LISTENING   44850    @/tmp/.ICE-unix/1747
unix   2      [ ACC ] STREAM    LISTENING   44851    /tmp/.ICE-unix/1747
unix   2      [ ACC ] STREAM    LISTENING   43153    /run/user/1000/systemd/private
unix   2      [ ACC ] STREAM    LISTENING   45160    @/tmp/dbus-7JrWbJV2
unix   2      [ ACC ] STREAM    LISTENING   43158    /run/user/1000/bus
unix   2      [ ACC ] STREAM    LISTENING   43159    /run/user/1000/gnupg/S.dirmngr
unix   2      [ ACC ] STREAM    LISTENING   43160    /run/user/1000/gnupg/S.gpg-agent.browser
unix   2      [ ACC ] STREAM    LISTENING   411559   /tmp/.com.google.Chrome.SnlgZk/SingletonSocket
unix   2      [ ACC ] STREAM    LISTENING   43161    /run/user/1000/gnupg/S.gpg-agent.extra
unix   2      [ ACC ] STREAM    LISTENING   43162    /run/user/1000/gnupg/S.gpg-agent.ssh
unix   2      [ ACC ] STREAM    LISTENING   43163    /run/user/1000/gnupg/S.gpg-agent
unix   2      [ ACC ] STREAM    LISTENING   43164    /run/user/1000/pk-debconf-socket
unix   2      [ ACC ] STREAM    LISTENING   43165    /run/user/1000/pulse/native
unix   2      [ ACC ] STREAM    LISTENING   43166    /run/user/1000/snapd-session-agent.socket
unix   2      [ ACC ] STREAM    LISTENING  127073   /tmp/.dqbqjK/s
unix   2      [ ACC ] STREAM    LISTENING   48377    /tmp/ssh-arkX5g0kRpyy/agent.1629
unix   2      [ ACC ] STREAM    LISTENING   42866    @/home/rahul/.cache/ibus/dbus-CA7ob5fI
unix   2      [ ACC ] STREAM    LISTENING   45317    @/tmp/.X11-unix/X0

```

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ netstat -a
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 localhost:ipp            0.0.0.0:*               LISTEN
tcp        0      0 localhost:domain        0.0.0.0:*               LISTEN
tcp        0      0 rahul-VivoBook-15:36882 ip21.67-202-110.s:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:49792 194.23.211.130.bc:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:53506 server-13-224-21-:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:34246 152.199.43.37:https     ESTABLISHED
tcp        0      0 rahul-VivoBook-15:33894 del03s16-in-f10.1:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:50340 151.101.153.44:https    ESTABLISHED
tcp        0      0 rahul-VivoBook-15:44916 del03s17-in-f14.1:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:54058 del03s14-in-f2.1e:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:54918 server-13-224-21-:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:43624 69.173.159.50:https     ESTABLISHED
tcp        0      0 rahul-VivoBook-15:52902 del03s15-in-f10.1:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:43632 104.26.1.139:https      ESTABLISHED
tcp        0      0 rahul-VivoBook-15:38476 a23-50-246-69.dep:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:41188 104.26.3.70:https        ESTABLISHED
tcp        0      0 rahul-VivoBook-15:41544 a104-91-246-107.d:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:36468 del03s13-in-f14.1:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:55018 del11s05-in-f1.1e:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:36608 aeab55d76dd13c9bb:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:37864 a23-54-86-102.dep:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:52756 a23-8-179-11.depl:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:36354 del03s16-in-f3.1e:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:57808 server-13-35-191-:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:59376 server-13-35-217-:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:59946 server-13-35-131-:https ESTABLISHED
tcp        0      0 rahul-VivoBook-15:50728 104.26.2.23:https        ESTABLISHED

```

- **dstat** - dstat is a powerful, flexible and versatile tool for generating Linux system resource statistics, that is a replacement for all the tools mentioned above. It comes with extra features, counters and it is highly extensible, users with Python knowledge can build their own plugins.

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ dstat
You did not select any stats, using -cdngy by default.
--total-cpu-usage-- -dsk/total- -net/total- ---paging-- ---system--
usr  sys  idl  wai  stl  read  writ  rcv  send  in  out  int  csw
17   4   77   2   0  126k  233k   0   0  190B 2856B 1642 3062
 3   1   96   0   0   0  136k  911B 870B   0   0  786 1833
 3   1   97   0   0   0   0   0   0   0   0  581 1485
 3   1   96   0   0   0   0  163B  82B   0   0  708 1677
 3   1   97   0   0   0   0   0  94B   0   0  603 1512
 5   1   91   4   0   0  276k  42B  70B   0   0  963 1812
 3   1   96   0   0   0   0  163B 188B   0   0  614 1490
 3   0   96   0   0   0   0   0   0   0   0  599 1508
 4   1   96   0   0   0   0   0   0   0   0  906 1595
 3   1   93   2   0   0  556k  66B  94B   0   0  778 1732
 3   0   92   4   0   0  212k   0   0   0   0  618 1499
 3   1   97   0   0   0   0   0   0   0   0  561 1454
 4   1   95   0   0   0   0   0   0   0   0  589 1589
 4   1   96   0   0   0   0  6974B 4550B   0   0  834 2587
 3   0   96   0   0   0   0  859B  667B   0   0  569 1505
 6   2   87   6   0   0  42M  11k 9523B   0   0 1316 3335
 3   1   96   0   0   0   0  7279B 7005B   0   0  927 2027
 3   1   96   0   0   0   0  133B   0   0   0  666 1661
 3   1   97   0   0   0   0   0   0   0   0  603 1580
 3   1   96   0   0   0   0   0  94B   0   0  727 2060
 4   1   94   1   0   0  124k  66B  94B   0   0  790 2309
 3   1   96   0   0   0   0   0   0   0   0  603 1520
 3   1   97   0   0   0   0   0   0   0   0  607 1674
 3   1   96   0   0   0   0  103B   0   0   0  629 1569
 3   1   96   0   0   0   0   0  290B  830B   0   0  678 1759
 3   1   96   0   0   0   0  40k  569B  212B   0   0  657 1604
 3   1   96   1   0   0  4096B   0   0   0   0  621 1463
 3   0   96   0   0   0   0   0   0   0   0  620 1598
 3   1   96   0   0   0   0   0   0   0   0  570 1431
 3   1   96   0   0   0  8192B   0   0   0   0  770 1672
 3   1   94   2   0   0   64k   0   0   0   0  664 1659 ^C

```



- **ifstat** - ifstat neatly prints out network interface statistics. The utility keeps records of the previous data displayed in history files and by default only shows difference between the last and the current call. Location of the history files defaults to /tmp/.

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ ifstat -a
          lo          wlp2s0
KB/s in  KB/s out  KB/s in  KB/s out
  0.00    0.00    0.00    0.00
  0.00    0.00    0.00    0.00
  0.00    0.00    0.00    0.00
  0.00    0.00    0.00    0.00
  0.00    0.00    0.00    0.00
  0.35    0.35   10.39   23.69
  0.00    0.00    0.91    0.61
  0.00    0.00    0.00    0.18
  0.00    0.00    0.00    0.00
  0.00    0.00    0.00    0.00
  0.00    0.00    0.04    0.25
  0.00    0.00    0.00    0.00
  0.00    0.00    0.00    0.00
  0.00    0.00    0.06    0.09
  0.00    0.00    0.22    0.83
  0.00    0.00    8.95   129.12
  0.00    0.00    0.10    0.00
  0.00    0.00    0.06    0.09
  0.19    0.19    5.87   22.43
  0.00    0.00    0.40    0.17
  0.00    0.00    0.00    0.00
  0.00    0.00    0.06    0.08

```

- **wget** - Wget command is a Linux command line utility that helps us to download the files from the web. We can download the files from web servers using HTTP, HTTPS and FTP protocols.

```

rahul@rahul-VivoBook-15-ASUS-Laptop-X507UF:~$ wget https://eduserver.nitc.ac.in/login/index.php
--2021-01-24 19:34:00-- https://eduserver.nitc.ac.in/login/index.php
Resolving eduserver.nitc.ac.in (eduserver.nitc.ac.in)... 103.241.136.151
Connecting to eduserver.nitc.ac.in (eduserver.nitc.ac.in)|103.241.136.151|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'index.php'

index.php                                     [ <=> ]
2021-01-24 19:34:01 (4.43 MB/s) - 'index.php' saved [33663]

```