```
[fnexam@localhost ~]$ ifconfig
enp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 172.16.8.23  netmask 255.255.252.0  broadcast 172.16.11.255
        inet6 fe80::750f:76fb:ef39:20b6  prefixlen 64  scopeid 0x20<link>
        ether d4:3d:7e:ad:3c:6e  txqueuelen 1000  (Ethernet)
        RX packets 145013  bytes 118526848 (113.0 MiB)
        RX errors 0  dropped 1  overruns 0  frame 0
        TX packets 23733  bytes 5403686 (5.1 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

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 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0


[fnexam@localhost ~]$ ping google.com
PING google.com (216.58.200.142) 56(84) bytes of data.
64 bytes from maa05s10-in-f14.1e100.net (216.58.200.142): icmp_seq=1 ttl=120 time=3.33 ms
64 bytes from maa05s10-in-f14.1e100.net (216.58.200.142): icmp_seq=2 ttl=120 time=5.26 ms
64 bytes from maa05s10-in-f14.1e100.net (216.58.200.142): icmp_seq=3 ttl=120 time=3.33 ms
64 bytes from maa05s10-in-f14.1e100.net (216.58.200.142): icmp_seq=4 ttl=120 time=3.24 ms
^C
--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3003ms
rtt min/avg/max/mdev = 3.243/3.795/5.267/0.850 ms
[fnexam@localhost ~]$ ping 216.58.203.142
PING 216.58.203.142 (216.58.203.142) 56(84) bytes of data.
^C
--- 216.58.203.142 ping statistics ---
22 packets transmitted, 0 received, 100% packet loss, time 21540ms

[fnexam@localhost ~]$ nslookup facebook.com
Server:         172.16.8.1
Address:        172.16.8.1#53

Non-authoritative answer:
Name:   facebook.com
Address: 157.240.192.35
Name:   facebook.com
Address: 2a03:2880:f137:182:face:b00c:0:25de

[fnexam@localhost ~]$ nslookup 31.13.78.35
35.78.13.31.in-addr.arpa        name = edge-star-mini-shv-01-akl1.facebook.com.

Authoritative answers can be found from:

[fnexam@localhost ~]$ hostname
localhost.localdomain
[fnexam@localhost ~]$
```

```
[fnexam@localhost ~]$ netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address          Foreign Address         State
tcp        0      0 localhost.localdo:58986 maa05s28-in-f5.1e:https ESTABLISHED
tcp        0      0 localhost.localdo:58362 maa05s19-in-f10.1:https ESTABLISHED
tcp        0      0 localhost.localdo:44862 maa03s38-in-f1.1e:https ESTABLISHED
tcp        0      0 localhost.localdo:58364 maa05s19-in-f10.1:https ESTABLISHED
tcp        0      0 localhost.localdo:40244 sd-in-f84.1e100.n:https ESTABLISHED
tcp        0      0 localhost.localdo:53106 maa05s28-in-f14.1:https ESTABLISHED
tcp        0      0 localhost.localdo:38402 maa03s44-in-f3.1e:https ESTABLISHED
tcp        0      0 localhost.localdo:53736 maa05s26-in-f3.1e:https ESTABLISHED
tcp        0      0 localhost.localdo:56246 maa05s18-in-f14.1:https ESTABLISHED
tcp        0      0 localhost.localdo:60680 maa05s19-in-f14.1:https ESTABLISHED
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags       Type       State         I-Node   Path
unix  6      [ ]         DGRAM                    13055    /run/systemd/journal/socket
unix  2      [ ]         DGRAM                    25395    /run/user/1001/systemd/notify
unix  2      [ ]         DGRAM                    20022    /var/run/chrony/chronyd.sock
unix  3      [ ]         DGRAM                    13032    /run/systemd/notify
unix  19     [ ]         DGRAM                    13044    /run/systemd/journal/dev-log
unix  3      [ ]         STREAM     CONNECTED     31950
unix  3      [ ]         STREAM     CONNECTED     26211
unix  3      [ ]         STREAM     CONNECTED     31646    /tmp/akonadi-fnexam.2ivTAl/akonadiserver-ntf.socket
unix  3      [ ]         STREAM     CONNECTED     26226    @/tmp/.X11-unix/X0

[fnexam@localhost ~]$ netstat —r
usage: netstat [-vWeenNcCF] [<Af>] -r         netstat {-V|--version|-h|--help}
       netstat [-vWnNcaeol] [<Socket> ...]
       netstat { [-vWeenNac] -I[<Iface>] | [-veenNac] -i | [-cnNe] -M | -s [-6tuw] } [delay]

       -r, --route              display routing table
       -I, --interfaces=<Iface> display interface table for <Iface>
       -i, --interfaces         display interface table
       -g, --groups             display multicast group memberships
       -s, --statistics         display networking statistics (like SNMP)
       -M, --masquerade         display masqueraded connections

[fnexam@localhost ~]$ arp
Address                  HWtype  HWaddress           Flags Mask            Iface
gateway                  ether   7c:5a:1c:cf:be:45   C                     enp2s0
[fnexam@localhost ~]$ nslookup google.com
Server:         172.16.8.1
Address:        172.16.8.1#53

Non-authoritative answer:
Name:   google.com
Address: 216.58.200.142
Name:   google.com
Address: 2404:6800:4007:808::200e

[fnexam@localhost ~]$ route
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
default         gateway         0.0.0.0         UG    100    0        0 enp2s0
172.16.8.0      0.0.0.0         255.255.252.0   U     100    0        0 enp2s0
```