

```
Command Prompt
C:\Users\Vainavi>ipconfig /all
Windows IP Configuration

Host Name . . . . . : vainavi
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . . . . . : Realtek PCIe GbE Family Controller
Description . . . . . : Realtek PCIe GbE Family Controller
Physical Address . . . . . : A8-A1-59-3E-64-67
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::e574:5519:9db2:cf18%5(PREFERRED)
IPv4 Address. . . . . : 192.168.0.163(PREFERRED)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : 27 January 2023 03:19:58 PM
Lease Expires . . . . . : 28 January 2023 12:39:15 AM
Default Gateway . . . . . : 192.168.0.1
DHCP Server . . . . . : 192.168.0.1
DHCPv6 IAID . . . . . : 447258969
DHCPv6 Client DUID. . . . . : 00-01-00-01-2A-2D-83-82-A8-A1-59-3E-64-67
DNS Servers . . . . . : 8.8.8.8
                                         8.8.4.4
NetBIOS over Tcpip. . . . . : Enabled

C:\Users\Vainavi>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:
Reply from 192.168.0.1: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Vainavi>tracert 192.168.0.1

Tracing route to 192.168.0.1 over a maximum of 30 hops
  1 <1 ms <1 ms <1 ms 192.168.0.1

Trace complete.

C:\Users\Vainavi>netstat -a

Active Connections

Proto  Local Address          Foreign Address        State
TCP    0.0.0.0:135            vainavi:0             LISTENING
TCP    0.0.0.0:445            vainavi:0             LISTENING
TCP    0.0.0.0:1521           vainavi:0             LISTENING
TCP    0.0.0.0:2869           vainavi:0             LISTENING
TCP    0.0.0.0:5040           vainavi:0             LISTENING
TCP    0.0.0.0:5357           vainavi:0             LISTENING

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```
Command Prompt
TCP    127.0.0.1:3213          vainavi:0             LISTENING
TCP    127.0.0.1:5354          vainavi:0             LISTENING
TCP    127.0.0.1:6463          vainavi:0             LISTENING
TCP    127.0.0.1:7335          vainavi:0             LISTENING
TCP    127.0.0.1:13339         vainavi:0             LISTENING
TCP    127.0.0.1:13340         vainavi:0             LISTENING
TCP    127.0.0.1:18412         vainavi:0             LISTENING
TCP    127.0.0.1:27017         vainavi:0             LISTENING
TCP    127.0.0.1:27060         vainavi:0             LISTENING
TCP    127.0.0.1:44950         vainavi:0             LISTENING
TCP    127.0.0.1:44960         vainavi:0             LISTENING
TCP    127.0.0.1:49730         vainavi:0             LISTENING
TCP    127.0.0.1:50269         vainavi:0             LISTENING
TCP    127.0.0.1:50273         vainavi:54962          ESTABLISHED
TCP    127.0.0.1:51477         vainavi:1521          ESTABLISHED
TCP    127.0.0.1:53245         vainavi:27017          TIME_WAIT
TCP    127.0.0.1:53246         vainavi:27017          TIME_WAIT
TCP    127.0.0.1:53247         vainavi:27017          TIME_WAIT
TCP    127.0.0.1:53274         vainavi:27017          TIME_WAIT
TCP    127.0.0.1:53292         vainavi:27017          TIME_WAIT
TCP    127.0.0.1:53973         vainavi:0             LISTENING
TCP    127.0.0.1:54962         vainavi:50273          ESTABLISHED
TCP    127.0.0.1:55165         vainavi:0             LISTENING
TCP    127.0.0.1:60256         vainavi:0             LISTENING
TCP    127.0.0.1:62981         vainavi:65001          ESTABLISHED
TCP    127.0.0.1:63046         vainavi:0             LISTENING
TCP    127.0.0.1:63046         vainavi:63065          ESTABLISHED
TCP    127.0.0.1:63065         vainavi:63046          ESTABLISHED
TCP    127.0.0.1:65001         vainavi:0             LISTENING
TCP    127.0.0.1:65001         vainavi:62981          ESTABLISHED
TCP    192.168.0.163:139        vainavi:0             LISTENING
TCP    192.168.0.163:53316       25:https            ESTABLISHED
TCP    192.168.0.163:56926       sa-in-f188:5228      ESTABLISHED
TCP    192.168.0.163:58829       47:https            ESTABLISHED
TCP    192.168.0.163:59416       162.159.133.234:https ESTABLISHED
TCP    192.168.0.163:59443       13.107.42.14:https  ESTABLISHED
TCP    192.168.0.163:59470       ec2-3-231-49-203:https ESTABLISHED
TCP    192.168.0.163:59471       45:https            ESTABLISHED
TCP    192.168.0.163:59504       lb-140-82-113-25-iad:https ESTABLISHED
TCP    192.168.0.163:59528       13.67.9.5:https      CLOSE_WAIT
TCP    192.168.0.163:59576       104.26.9.169:https   TIME_WAIT
TCP    192.168.0.163:59580       172.67.25.170:https  ESTABLISHED
TCP    192.168.0.163:59585       104.18.16.107:https  ESTABLISHED
TCP    192.168.0.163:59587       137:https            ESTABLISHED
TCP    192.168.0.163:59589       172.67.38.106:https  ESTABLISHED
TCP    192.168.0.163:59593       104.26.9.169:https   TIME_WAIT
TCP    192.168.0.163:59602       218:https            ESTABLISHED
TCP    192.168.0.163:59603       172.67.8.174:https  ESTABLISHED
TCP    192.168.0.163:59606       172.67.10.198:https  ESTABLISHED
TCP    192.168.0.163:59610       104.18.2.114:https  ESTABLISHED
TCP    192.168.0.163:59612       104.18.33.19:https  ESTABLISHED
TCP    192.168.0.163:59649       53:https             ESTABLISHED
TCP    192.168.0.163:59666       218:https            ESTABLISHED
TCP    192.168.0.163:59668       104.18.33.19:https  ESTABLISHED
TCP    192.168.0.163:59677       104.22.25.74:https  ESTABLISHED
TCP    192.168.0.163:59700       172.64.151.162:https ESTABLISHED
TCP    192.168.0.163:59712       104.22.55.206:https  ESTABLISHED
TCP    192.168.0.163:59716       104.22.68.131:https  ESTABLISHED
TCP    192.168.0.163:59717       ec2-18-209-201-158:https ESTABLISHED
TCP    192.168.0.163:59727       bom07s25-in-f14:https TIME_WAIT
TCP    192.168.0.163:59739       bom12s15-in-f14:https TIME_WAIT
TCP    192.168.0.163:59747       server-108-156-68-129:https TIME_WAIT
TCP    192.168.0.163:59768       yw-in-f94:https      TIME_WAIT

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```
Command Prompt
TCP 127.0.0.1:3213 vainavi:0 LISTENING
TCP 127.0.0.1:5354 vainavi:0 LISTENING
TCP 127.0.0.1:6463 vainavi:0 LISTENING
TCP 127.0.0.1:7335 vainavi:0 LISTENING
TCP 127.0.0.1:13339 vainavi:0 LISTENING
TCP 127.0.0.1:13340 vainavi:0 LISTENING
TCP 127.0.0.1:18412 vainavi:0 LISTENING
TCP 127.0.0.1:27017 vainavi:0 LISTENING
TCP 127.0.0.1:27060 vainavi:0 LISTENING
TCP 127.0.0.1:44950 vainavi:0 LISTENING
TCP 127.0.0.1:44960 vainavi:0 LISTENING
TCP 127.0.0.1:49730 vainavi:0 LISTENING
TCP 127.0.0.1:50269 vainavi:0 LISTENING
TCP 127.0.0.1:50273 vainavi:54962 ESTABLISHED
TCP 127.0.0.1:51477 vainavi:1521 ESTABLISHED
TCP 127.0.0.1:53245 vainavi:27017 TIME_WAIT
TCP 127.0.0.1:53246 vainavi:27017 TIME_WAIT
TCP 127.0.0.1:53247 vainavi:27017 TIME_WAIT
TCP 127.0.0.1:53274 vainavi:27017 TIME_WAIT
TCP 127.0.0.1:53292 vainavi:27017 TIME_WAIT
TCP 127.0.0.1:53973 vainavi:0 LISTENING
TCP 127.0.0.1:54962 vainavi:50273 ESTABLISHED
TCP 127.0.0.1:55165 vainavi:0 LISTENING
TCP 127.0.0.1:60256 vainavi:0 LISTENING
TCP 127.0.0.1:62981 vainavi:65001 ESTABLISHED
TCP 127.0.0.1:63046 vainavi:0 LISTENING
TCP 127.0.0.1:63046 vainavi:63065 ESTABLISHED
TCP 127.0.0.1:63065 vainavi:63046 ESTABLISHED
TCP 127.0.0.1:65001 vainavi:0 LISTENING
TCP 127.0.0.1:65001 vainavi:62981 ESTABLISHED
TCP 192.168.0.163:139 vainavi:0 LISTENING
TCP 192.168.0.163:53316 25:https ESTABLISHED
TCP 192.168.0.163:56926 sa-in-f188:5228 ESTABLISHED
TCP 192.168.0.163:58829 47:https ESTABLISHED
TCP 192.168.0.163:59416 162.159.133.234:https ESTABLISHED
TCP 192.168.0.163:59443 13.107.42.14:https ESTABLISHED
TCP 192.168.0.163:59470 ec2-3-231-49-203:https ESTABLISHED
TCP 192.168.0.163:59471 45:https ESTABLISHED
TCP 192.168.0.163:59504 lb-140-82-113-25-iad:https ESTABLISHED
TCP 192.168.0.163:59528 13.67.9.5:https CLOSE_WAIT
TCP 192.168.0.163:59576 104.26.9.169:https TIME_WAIT
TCP 192.168.0.163:59580 172.67.25.170:https ESTABLISHED
TCP 192.168.0.163:59585 104.18.16.107:https ESTABLISHED
TCP 192.168.0.163:59587 137:https ESTABLISHED
TCP 192.168.0.163:59589 172.67.38.106:https ESTABLISHED
TCP 192.168.0.163:59593 104.26.9.169:https TIME_WAIT
TCP 192.168.0.163:59602 218:https ESTABLISHED
TCP 192.168.0.163:59603 172.67.8.174:https ESTABLISHED
TCP 192.168.0.163:59606 172.67.10.198:https ESTABLISHED
TCP 192.168.0.163:59610 104.18.2.114:https ESTABLISHED
TCP 192.168.0.163:59612 104.18.33.19:https ESTABLISHED
TCP 192.168.0.163:59649 53:https ESTABLISHED
TCP 192.168.0.163:59666 218:https ESTABLISHED
TCP 192.168.0.163:59668 104.18.33.19:https ESTABLISHED
TCP 192.168.0.163:59677 104.22.25.74:https ESTABLISHED
TCP 192.168.0.163:59700 172.64.151.162:https ESTABLISHED
TCP 192.168.0.163:59712 104.22.55.206:https ESTABLISHED
TCP 192.168.0.163:59716 104.22.68.131:https ESTABLISHED
TCP 192.168.0.163:59717 ec2-18-209-201-158:https ESTABLISHED
TCP 192.168.0.163:59727 bom07s25-in-f14:https TIME_WAIT
TCP 192.168.0.163:59739 bom12s15-in-f14:https TIME_WAIT
TCP 192.168.0.163:59747 server-108-156-60-129:https TIME_WAIT
TCP 192.168.0.163:59768 yw-in-f94:https TIME_WAIT
```

```
Command Prompt
UDP 0.0.0.0:5353 *:*
UDP 0.0.0.0:5355 *:*
UDP 0.0.0.0:27036 *:*
UDP 0.0.0.0:49664 *:*
UDP 0.0.0.0:49676 *:*
UDP 0.0.0.0:51700 *:*
UDP 0.0.0.0:52225 *:*
UDP 0.0.0.0:52671 *:*
UDP 0.0.0.0:52840 *:*
UDP 0.0.0.0:54866 *:*
UDP 0.0.0.0:57621 *:*
UDP 0.0.0.0:61069 *:*
UDP 0.0.0.0:61211 *:*
UDP 0.0.0.0:61240 *:*
UDP 0.0.0.0:62374 *:*
UDP 0.0.0.0:62450 *:*
UDP 0.0.0.0:64176 *:*
UDP 0.0.0.0:64347 *:*
UDP 0.0.0.0:65244 *:*
UDP 127.0.0.1:1900 *:*
UDP 127.0.0.1:6771 *:*
UDP 127.0.0.1:10080 *:*
UDP 127.0.0.1:10081 *:*
UDP 127.0.0.1:49666 *:*
UDP 127.0.0.1:50307 *:*
UDP 127.0.0.1:53387 *:*
UDP 127.0.0.1:58883 *:*
UDP 192.168.0.163:137 *:*
UDP 192.168.0.163:138 *:*
UDP 192.168.0.163:1900 *:*
UDP 192.168.0.163:2177 *:*
UDP 192.168.0.163:5353 *:*
UDP 192.168.0.163:5353 *:*
UDP 192.168.0.163:6771 *:*
UDP 192.168.0.163:50306 *:*
UDP 192.168.0.163:53386 *:*
UDP [::]:3702 *:*
UDP [::]:3702 *:*
UDP [::]:3702 *:*
UDP [::]:3702 *:*
UDP [::]:5353 *:*
UDP [::]:5355 *:*
UDP [::]:49665 *:*
UDP [::]:51701 *:*
UDP [::]:52225 *:*
UDP [::]:52841 *:*
UDP [::]:61070 *:*
UDP [::1]:1900 *:*
UDP [::1]:5353 *:*
UDP [::1]:5353 *:*
UDP [::1]:50305 *:*
UDP [fe80::e574:5519:9db2:cf18%5]:1900 *:*
UDP [fe80::e574:5519:9db2:cf18%5]:2177 *:*
```

```
Command Prompt -> C:\Users\Vainavi>netstat -r
=====
Interface List
5...a8 a1 59 3e 64 67 .....Realtek PCIe GbE Family Controller
1.....Software Loopback Interface 1
=====

IPv4 Route Table
=====
Active Routes:
Network Destination      Netmask        Gateway       Interface Metric
          0.0.0.0        0.0.0.0    192.168.0.1  192.168.0.163    35
          127.0.0.0       255.0.0.0   On-link        127.0.0.1    331
          127.0.0.1       255.255.255.255  On-link        127.0.0.1    331
127.255.255.255       255.255.255.255  On-link        127.0.0.1    331
          192.168.0.0       255.255.255.0   On-link        192.168.0.163   291
          192.168.0.163     255.255.255.255  On-link        192.168.0.163   291
          192.168.0.255     255.255.255.255  On-link        192.168.0.163   291
          224.0.0.0         240.0.0.0   On-link        127.0.0.1    331
          224.0.0.0         240.0.0.0   On-link        192.168.0.163   291
255.255.255.255       255.255.255.255  On-link        127.0.0.1    331
255.255.255.255       255.255.255.255  On-link        192.168.0.163   291
=====
Persistent Routes:
None

IPv6 Route Table
=====
Active Routes:
If Metric Network Destination      Gateway
1    331 ::1/128                 On-link
5    291 fe80::/64               On-link
5    291 fe80::e574:5519:9db2:cf18/128
                                On-link
1    331 ff00::/8                On-link
5    291 ff00::/8                On-link
=====
Persistent Routes:
None

C:\Users\Vainavi>netstat -s
=====
IPv4 Statistics
=====
Packets Received           = 18530703
Received Header Errors    = 0
Received Address Errors    = 9151
Datagrams Forwarded       = 0
Unknown Protocols Received = 66
Received Packets Discarded = 99953
Received Packets Delivered = 18555935
Output Requests            = 11188389
Routing Discards           = 0
Discarded Output Packets  = 819
Output Packet No Route    = 28
Reassembly Required        = 9
Reassembly Successful      = 1
Reassembly Failures       = 0
Datagrams Successfully Fragmented = 0
Datagrams Failing Fragmentation = 0
Fragments Created          = 0
```

```
Command Prompt
IPv6 Statistics

    Packets Received          = 0
    Received Header Errors    = 0
    Received Address Errors   = 0
    Datagrams Forwarded      = 0
    Unknown Protocols Received= 0
    Received Packets Discarded= 0
    Received Packets Delivered= 24629
    Output Requests          = 27122
    Routing Discards          = 0
    Discarded Output Packets = 75
    Output Packet No Route    = 0
    Reassembly Required       = 0
    Reassembly Successful     = 0
    Reassembly Failures      = 0
    Datagrams Successfully Fragmented= 0
    Datagrams Failing Fragmentation= 0
    Fragments Created         = 0

ICMPv4 Statistics

    Received    Sent
Messages      4873      4664
Errors        0          0
Destination Unreachable 3864      4638
Time Exceeded 994       0
Parameter Problems 0          0
Source Quenches 0          0
Redirects      0          0
Echo Replies   15         0
Echos          0          26
Timestamps     0          0
Timestamp Replies 0          0
Address Masks  0          0
Address Mask Replies 0          0
Router Solicitations 0          0
Router Advertisements 0          0

ICMPv6 Statistics

    Received    Sent
Messages      27         148
Errors        0          0
Destination Unreachable 27         27
Packet Too Big 0          0
Time Exceeded 0          0
Parameter Problems 0          0
Echos          0          0
Echo Replies   0          0
MLD Queries    0          0
MLD Reports    0          0
MLD Dones      0          0
Router Solicitations 0         24
Router Advertisements 0         0
Neighbor Solicitations 0         89
Neighbor Advertisements 0         8
Redirects      0          0
Router Renumberings 0          0

TCP Statistics for IPv4

    Active Opens           = 48020
    Type here to search
    26°C Smoke  11:16 PM 27-01-2023
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```
Command Prompt
Redirects          0          0
Router Renumberings 0          0

TCP Statistics for IPv4

Active Opens          = 48020
Passive Opens         = 3097
Failed Connection Attempts = 5811
Reset Connections     = 4205
Current Connections   = 85
Segments Received    = 16587690
Segments Sent         = 14079058
Segments Retransmitted = 26871

TCP Statistics for IPv6

Active Opens          = 5134
Passive Opens         = 449
Failed Connection Attempts = 4705
Reset Connections     = 234
Current Connections   = 24
Segments Received    = 656751
Segments Sent         = 647334
Segments Retransmitted = 8191

UDP Statistics for IPv4

Datagrams Received   = 11005573
No Ports             = 21560
Receive Errors       = 109358
Datagrams Sent       = 5855815

UDP Statistics for IPv6

Datagrams Received   = 19442
No Ports             = 0
Receive Errors       = 0
Datagrams Sent       = 12152

C:\Users\Vainavi>netstat

Active Connections

Proto Local Address      Foreign Address      State
TCP   127.0.0.1:1521      vainavi:51477      ESTABLISHED
TCP   127.0.0.1:50273     vainavi:54962      ESTABLISHED
TCP   127.0.0.1:51477     vainavi:1521      ESTABLISHED
TCP   127.0.0.1:54962     vainavi:50273      ESTABLISHED
TCP   127.0.0.1:62981     vainavi:65001      ESTABLISHED
TCP   127.0.0.1:63046     vainavi:63065      ESTABLISHED
TCP   127.0.0.1:63065     vainavi:63046      ESTABLISHED
TCP   127.0.0.1:65001     vainavi:62981      ESTABLISHED
TCP   192.168.0.163:53316  25:https           ESTABLISHED
TCP   192.168.0.163:56926  sa-in-f188:5228    ESTABLISHED
TCP   192.168.0.163:58829  47:https           ESTABLISHED
TCP   192.168.0.163:59416  162.159.133.234:https ESTABLISHED
TCP   192.168.0.163:59443  13.107.42.14:https ESTABLISHED
TCP   192.168.0.163:59470  ec2-3-231-49-203:https ESTABLISHED
TCP   192.168.0.163:59471  45:https           TIME_WAIT
TCP   192.168.0.163:59504  lb-140-82-113-25-iad:https ESTABLISHED
TCP   192.168.0.163:59587  137:https          ESTABLISHED
TCP   192.168.0.163:59589  172.67.38.106:https TIME_WAIT
TCP   192.168.0.163:59602  218:https          ESTABLISHED
```

```
Command Prompt
TCP 192.168.0.163:59894 151.101.192.134:https ESTABLISHED
TCP 192.168.0.163:59895 server-18-65-39-98:https ESTABLISHED
TCP 192.168.0.163:59896 server-18-65-39-98:https ESTABLISHED
TCP 192.168.0.163:59898 199.232.194.49:https ESTABLISHED
TCP 192.168.0.163:59900 server-18-66-30-2:https ESTABLISHED
TCP 192.168.0.163:59902 bom07s24-in-f14:https ESTABLISHED
TCP 192.168.0.163:59903 bom12s09-in-f10:https ESTABLISHED
TCP 192.168.0.163:59904 bom12s10-in-f10:https ESTABLISHED
TCP 192.168.0.163:59906 bom12s16-in-f13:https ESTABLISHED
TCP 192.168.0.163:59907 bom12s01-in-f3:https ESTABLISHED
TCP 192.168.0.163:59908 199.232.192.64:https ESTABLISHED
TCP 192.168.0.163:59910 199.232.192.134:https ESTABLISHED
TCP 192.168.0.163:59912 65:https ESTABLISHED
TCP 192.168.0.163:59915 server-65-9-86-54:https ESTABLISHED
TCP 192.168.0.163:59916 146:https ESTABLISHED
TCP 192.168.0.163:59917 bom12s19-in-f2:https ESTABLISHED
TCP 192.168.0.163:59920 193:https ESTABLISHED
TCP 192.168.0.163:59921 199.232.192.64:https ESTABLISHED
TCP 192.168.0.163:59926 198.8.71.131:https TIME_WAIT
TCP 192.168.0.163:59928 199.232.253.44:https ESTABLISHED
TCP 192.168.0.163:59929 lhr25s25-in-f3:https ESTABLISHED
TCP 192.168.0.163:59930 mil04s51-in-f3:https TIME_WAIT
TCP 192.168.0.163:59947 146:https TIME_WAIT
TCP 192.168.0.163:59951 ec2-65-1-236-193:https TIME_WAIT
TCP 192.168.0.163:59952 20.44.229.112:https TIME_WAIT
TCP 192.168.0.163:59962 yw-in-f94:https TIME_WAIT
TCP 192.168.0.163:59963 yw-in-f94:https TIME_WAIT
TCP 192.168.0.163:59972 a23-217-53-54:https CLOSE_WAIT
TCP 192.168.0.163:59985 13:https ESTABLISHED
TCP 192.168.0.163:59991 192.168.0.166:60000 TIME_WAIT
TCP 192.168.0.163:59992 192.168.0.166:60000 TIME_WAIT
TCP 192.168.0.163:59993 192.168.0.166:60000 TIME_WAIT
TCP 192.168.0.163:59997 13.107.237.48:https ESTABLISHED
TCP 192.168.0.163:60001 152.199.43.62:https ESTABLISHED
TCP 192.168.0.163:60021 https-111-119-15-130:https ESTABLISHED
TCP 192.168.0.163:60022 ec2-18-206-36-236:https ESTABLISHED
TCP 192.168.0.163:60023 ec2-18-206-36-236:https ESTABLISHED
TCP 192.168.0.163:60024 ec2-18-206-36-236:https ESTABLISHED
TCP 192.168.0.163:60032 18:https ESTABLISHED
TCP 192.168.0.163:60033 597:https CLOSE_WAIT
TCP 192.168.0.163:60034 ip64:https CLOSE_WAIT
TCP 192.168.0.163:60035 ip64:https CLOSE_WAIT
TCP 192.168.0.163:60037 ip64:https CLOSE_WAIT
TCP 192.168.0.163:60040 ip226:https CLOSE_WAIT
TCP 192.168.0.163:60041 202.94.162.227:https CLOSE_WAIT
TCP 192.168.0.163:60042 39:https ESTABLISHED
TCP 192.168.0.163:60043 ec2-54-237-145-190:https ESTABLISHED
TCP 192.168.0.163:60044 146:https ESTABLISHED
TCP 192.168.0.163:60045 23.106.127.39:https CLOSE_WAIT
TCP 192.168.0.163:60046 52.137.106.217:https TIME_WAIT
TCP 192.168.0.163:60048 bom07s36-in-f14:https ESTABLISHED
TCP 192.168.0.163:60049 13.67.9.5:https ESTABLISHED
TCP 192.168.0.163:60054 192.28.147.68:https ESTABLISHED
TCP 192.168.0.163:60137 whatsapp-chatd-edge-shv-02-bom1:5222 ESTABLISHED
TCP 192.168.0.163:63005 20.198.119.143:https ESTABLISHED
TCP 192.168.0.163:63088 72.25.64.32:https ESTABLISHED
TCP 192.168.0.163:63167 103-10-124-123:27023 ESTABLISHED
TCP 192.168.0.163:64071 237:4070 ESTABLISHED
TCP 192.168.0.163:64073 47:https ESTABLISHED
TCP 192.168.0.163:64132 a104-108-231-202:https CLOSE_WAIT
TCP [::1]:5426 vainavi:62986 ESTABLISHED
TCP [::1]:5426 vainavi:62989 ESTABLISHED
TCP [::1]:5426 vainavi:62992 ESTABLISHED
```

```
Command Prompt
TCP [::1]:63243 vainavi:5426 ESTABLISHED
TCP [::1]:63246 vainavi:5426 ESTABLISHED
TCP [::1]:63254 vainavi:5426 ESTABLISHED
TCP [::1]:63259 vainavi:5426 ESTABLISHED
TCP [::1]:63260 vainavi:5426 ESTABLISHED
TCP [::1]:63267 vainavi:5426 ESTABLISHED

C:\Users\Vainavi>hostname
vainavi

C:\Users\Vainavi>nslookup
Default Server: dns.google
Address: 8.8.8.8

> pathping
Server: dns.google
Address: 8.8.8.8

*** dns.google can't find pathping: Non-existent domain
> pathping 192.168.0.1
Server: [192.168.0.1]
Address: 192.168.0.1

*** 192.168.0.1 can't find pathping: Non-existent domain
> pathping 192.168.0.163
Server: [192.168.0.163]
Address: 192.168.0.163

*** 192.168.0.163 can't find pathping: No response from server
> pathping 27.0.52.203
Server: [27.0.52.203]
Address: 27.0.52.203

DNS request timed out.
timeout was 2 seconds.
DNS request timed out.
timeout was 2 seconds.
*** Request to 27.0.52.203 timed-out
> systeminfo
Server: dns.google
Address: 8.8.8.8

*** dns.google can't find systeminfo: Non-existent domain
> systeminfo 27.0.52.203
Server: [27.0.52.203]
Address: 27.0.52.203

DNS request timed out.
timeout was 2 seconds.
DNS request timed out.
timeout was 2 seconds.
*** Request to 27.0.52.203 timed-out
> quit

C:\Users\Vainavi>arp -adgs

Displays and modifies the IP-to-Physical address translation tables used by
address resolution protocol (ARP).

ARP -s inet_addr eth_addr [if_addr]
ARP -d inet_addr [if_addr]
ARP -a [inet_addr] [-N if_addr] [-v]

Type here to search 26°C Smoke 11:17 PM 27-01-2023
```

```
Command Prompt
C:\Users\Vainavi>get mac
'get' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Vainavi>getmac

Physical Address Transport Name
-----
A8-A1-59-3E-64-67 \Device\Tcpip_{0DC04816-4D0F-4D68-B668-DF5620A196A7}

C:\Users\Vainavi>arp -s

Displays and modifies the IP-to-Physical address translation tables used by
address resolution protocol (ARP).

ARP -s inet_addr eth_addr [if_addr]
ARP -d inet_addr [if_addr]
ARP -a [inet_addr] [-N if_addr] [-v]

-a Displays current ARP entries by interrogating the current
protocol data. If inet_addr is specified, the IP and Physical
addresses for only the specified computer are displayed. If
more than one network interface uses ARP, entries for each ARP
table are displayed.
-g Same as -a.
-v Displays current ARP entries in verbose mode. All invalid
entries and entries on the loop-back interface will be shown.
 inet_addr Specifies an internet address.
-N if_addr Displays the ARP entries for the network interface specified
by if_addr.
-d Deletes the host specified by inet_addr. inet_addr may be
wildcarded with * to delete all hosts.
-s Adds the host and associates the Internet address inet_addr
with the Physical address eth_addr. The Physical address is
given as 6 hexadecimal bytes separated by hyphens. The entry
is permanent.
 eth_addr Specifies a physical address.
 if_addr If present, this specifies the Internet address of the
interface whose address translation table should be modified.
 If not present, the first applicable interface will be used.

Example:
> arp -s 157.55.85.212 00-aa-00-62-c6-09 .... Adds a static entry.
> arp -a .... Displays the arp table.

C:\Users\Vainavi>arp -a

Interface: 192.168.0.163 --- 0x5
 Internet Address Physical Address Type
 192.168.0.1      a4-2b-b0-26-32-8b dynamic
 192.168.0.146    c8-02-10-b2-da-62 dynamic
 192.168.0.166    08-a6-bc-4f-9d-c2 dynamic
 192.168.0.255    ff-ff-ff-ff-ff-ff static
 192.168.49.1     08-a6-bc-4f-9d-c2 dynamic
 224.0.0.2        01-00-5e-00-00-02 static
 224.0.0.22       01-00-5e-00-00-16 static
 224.0.0.251      01-00-5e-00-00-fb static
 224.0.0.252      01-00-5e-00-00-fc static
 239.192.152.143  01-00-5e-48-98-8f static
 239.255.255.250  01-00-5e-7f-ff-fa static
 255.255.255.255 ff-ff-ff-ff-ff-ff static

C:\Users\Vainavi>arp -g
```

```
Command Prompt
      is permanent.
eth_addr      Specifies a physical address.
if_addr       If present, this specifies the Internet address of the
              interface whose address translation table should be modified.
              If not present, the first applicable interface will be used.
Example:
> arp -s 157.55.85.212  00-aa-00-62-c6-09 .... Adds a static entry.
> arp -a          .... Displays the arp table.

C:\Users\Vainavi>arp -a
Interface: 192.168.0.163 --- 0x5
Internet Address      Physical Address      Type
192.168.0.1            a4-2b-b0-26-32-8b    dynamic
192.168.0.146          c8-02-10-b2-da-62    dynamic
192.168.0.166          08-a6-bc-4f-9d-c2    dynamic
192.168.0.255          ff-ff-ff-ff-ff-ff    static
192.168.49.1           08-a6-bc-4f-9d-c2    dynamic
224.0.0.2              01-00-5e-00-00-02    static
224.0.0.22             01-00-5e-00-00-16    static
224.0.0.251            01-00-5e-00-00-fb    static
224.0.0.252            01-00-5e-00-00-fc    static
239.192.152.143        01-00-5e-40-98-8f    static
239.255.255.250        01-00-5e-7f-ff-fa    static
255.255.255.255        ff-ff-ff-ff-ff-ff    static

C:\Users\Vainavi>arp -g
Interface: 192.168.0.163 --- 0x5
Internet Address      Physical Address      Type
192.168.0.1            a4-2b-b0-26-32-8b    dynamic
192.168.0.146          c8-02-10-b2-da-62    dynamic
192.168.0.166          08-a6-bc-4f-9d-c2    dynamic
192.168.0.255          ff-ff-ff-ff-ff-ff    static
192.168.49.1           08-a6-bc-4f-9d-c2    dynamic
224.0.0.2              01-00-5e-00-00-02    static
224.0.0.22             01-00-5e-00-00-16    static
224.0.0.251            01-00-5e-00-00-fb    static
224.0.0.252            01-00-5e-00-00-fc    static
239.192.152.143        01-00-5e-40-98-8f    static
239.255.255.250        01-00-5e-7f-ff-fa    static
255.255.255.255        ff-ff-ff-ff-ff-ff    static

C:\Users\Vainavi>arp -d
'arp-d' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Vainavi>arp -d
The ARP entry deletion failed: The requested operation requires elevation.

C:\Users\Vainavi>
```

