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Command Prompt
Microsoft Windows [Version 10.0.19044.1889]
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C:\Users\Kaviya>ipconfig
Windows IP Configuration
Ethernet adapter Ethernet:
  Media State . . . . . . . . . . . . Media disconnected
  Connection-specific DNS Suffix .:
Wireless LAN adapter Local Area Connection* 1:
  Media State . . . . . . . . . . . . . Media disconnected
  Connection-specific DNS Suffix .:
Wireless LAN adapter Local Area Connection* 2:
  Media State . . . . . . . . . . . . Media disconnected
  Connection-specific DNS Suffix .:
Wireless LAN adapter Wi-Fi:
  Connection-specific DNS Suffix .:
  IPv6 Address. . . . . . . . . : 2409:4072:e9c:43b3:8c85:9a54:eba2:c6b0
  Temporary IPv6 Address. . . . . : 2409:4072:e9c:43b3:40fc:fa50:f56e:e26c
  Link-local IPv6 Address . . . . : fe80::8c85:9a54:eba2:c6b0%8
 IPv4 Address. . . . . . . . . : 192.168.172.143
  Subnet Mask . . . . . . . . . : 255.255.255.0
  Default Gateway . . . . . . : fe80::c828:dcff:fe91:94ea%8
                                    192.168.172.38
C:\Users\Kaviya>ipconfig/all
Windows IP Configuration
  Host Name . . . . . . . . . . . . DESKTOP-KONTBOI
  Primary Dns Suffix . . . . . . :
  IP Routing Enabled. . . . . . . : No
  WINS Proxy Enabled. . . . . . : No
```

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Ethernet adapter Ethernet:
  Media State . . . . . . . . . . . . . Media disconnected
  Connection-specific DNS Suffix . :
  Description . . . . . . . . . . Realtek PCIe FE Family Controller
  Physical Address. . . . . . . . . . . . . 7C-8A-E1-19-63-2E
  DHCP Enabled. . . . . . . . . . . Yes
  Autoconfiguration Enabled . . . . : Yes
Wireless LAN adapter Local Area Connection* 1:
  Media State . . . . . . . . . . . . Media disconnected
  Connection-specific DNS Suffix . :
  Description . . . . . . . . . . Microsoft Wi-Fi Direct Virtual Adapter
  Physical Address. . . . . . . . . . . 2A-39-26-AD-FC-5F
  DHCP Enabled. . . . . . . . . . . Yes
  Autoconfiguration Enabled . . . . : Yes
Wireless LAN adapter Local Area Connection* 2:
  Media State . . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix . :
  Description . . . . . . . . . . . . Microsoft Wi-Fi Direct Virtual Adapter #2
  Physical Address. . . . . . . : AA-39-26-AD-FC-5F
  DHCP Enabled. . . . . . . . . . . Yes
  Autoconfiguration Enabled . . . . : Yes
Wireless LAN adapter Wi-Fi:
  Connection-specific DNS Suffix .:
  Description . . . . . . . . . Realtek 8821CE Wireless LAN 802.11ac PCI-E NIC
  Physical Address. . . . . . . : 28-39-26-AD-FC-5F
  DHCP Enabled. . . . . . . . . . . Yes
  Autoconfiguration Enabled . . . . : Yes
  Temporary IPv6 Address. . . . . : 2409:4072:e9c:43b3:40fc:fa50:f56e:e26c(Preferred)
  Link-local IPv6 Address . . . . : fe80::8c85:9a54:eba2:c6b0%8(Preferred)
  IPv4 Address. . . . . . . . . . : 192.168.172.143(Preferred)
  Lease Obtained. . . . . . . . . . . . 14 September 2022 18:38:40
  Lease Expires . . . . . . . . . : 14 September 2022 19:50:07
  Default Gateway . . . . . . . : fe80::c828:dcff:fe91:94ea%8
                                  192.168.172.38
```

```
DHCP Server . . . . . . . . . . . . . . . 192.168.172.38
 DHCPv6 IAID . . . . . . . . . . : 136853798
 DHCPv6 Client DUID. . . . . . . : 00-01-00-01-28-84-F3-D4-7C-8A-E1-19-63-2E
 DNS Servers . . . . . . . . . : 192.168.172.38
 NetBIOS over Tcpip. . . . . . : Enabled
C:\Users\Kaviya>www.google.com
'www.google.com' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\Kaviya>nslookup
Default Server: UnKnown
Address: 192.168.172.38
> www.google.com
Server: UnKnown
Address: 192,168,172,38
Non-authoritative answer:
Name: www.google.com
Addresses: 2404:6800:4007:829::2004
         142.250.193.164
C:\Users\Kaviya>ping 142.250.193.164
Pinging 142.250.193.164 with 32 bytes of data:
Reply from 142.250.193.164: bytes=32 time=78ms TTL=112
Reply from 142.250.193.164: bytes=32 time=68ms TTL=112
Reply from 142.250.193.164: bytes=32 time=70ms TTL=112
Reply from 142.250.193.164: bytes=32 time=60ms TTL=112
Ping statistics for 142,250,193,164:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 60ms, Maximum = 78ms, Average = 69ms
C:\Users\Kaviya>ping 192.168.172.38
Pinging 192.168.172.38 with 32 bytes of data:
Reply from 192.168.172.38: bytes=32 time=4ms TTL=64
Reply from 192.168.172.38: bytes=32 time=3ms TTL=64
Reply from 192.168.172.38: bytes=32 time=4ms TTL=64
Reply from 192.168.172.38: bytes=32 time=4ms TTL=64
```

Ping statistics for 192.168.172.38:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 3ms, Maximum = 4ms, Average = 3ms

C:\Users\Kaviya>

```
Usage: tracert [-d] [-h maximum_hops] [-j host-list] [-w timeout]
              [-R] [-S srcaddr] [-4] [-6] target_name
Options:
   -d
                      Do not resolve addresses to hostnames.
   -h maximum hops
                      Maximum number of hops to search for target.
   -j host-list
                      Loose source route along host-list (IPv4-only).
                      Wait timeout milliseconds for each reply.
   -w timeout
   -R
                      Trace round-trip path (IPv6-only).
   -S srcaddr
                      Source address to use (IPv6-only).
   -4
                      Force using IPv4.
                      Force using IPv6.
   -6
C:\Users\Kaviya>nslookup
Default Server: UnKnown
Address: 192.168.172.38
C:\Users\Kaviya>tracert 142.250.193.164
Tracing route to maa05s26-in-f4.1e100.net [142.250.193.164]
over a maximum of 30 hops:
       3 ms
                4 ms
                               192.168.172.38
                               Request timed out.
                        98 ms 56.8.110.165
      79 ms
               97 ms
      81 ms
               98 ms
                        98 ms 192.168.71.147
                               Request timed out.
 6
                               Request timed out.
                               Request timed out.
 8
                               Request timed out.
                               Request timed out.
10
                               Request timed out.
                        97 ms 74.125.50.202
     129 ms
               98 ms
12
      83 ms
               98 ms
                        98 ms 142.251.227.213
      82 ms
               98 ms
                        98 ms 142.251.55.233
14 1309 ms
              711 ms 1326 ms maa05s26-in-f4.1e100.net [142.250.193.164]
Trace complete.
```

C:\Users\Kaviya>tracert

C:\Users\Kaviya>



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