```
C:\Users\Ashesh>arp -a

Interface: 19.16.13.12 --- 0x3

  Internet Address      Physical Address      Type

  19.16.13.10           53-32-c5-39-sm-6c     dynamic

  19.16.13.13           84-3a-68-f6-c7-79     dynamic

  19.16.13.255          ff-ff-ff-ff-ff-ff     static


C:\Users\Ashesh>arp -a 19.16.13.13

Interface: 19.16.13.12 --- 0x3

  Internet Address      Physical Address      Type

  19.16.13.13           84-3a-68-f6-c7-79     dynamic



C:\Users\Ashesh>ipconfig

Windows IP Configuration


Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected

   Connection-specific DNS Suffix  . :


Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . : sdad

   Link-local IPv6 Address . . . . . : ed50::fc6c:cc42:add0:40a8%3

   IPv4 Address. . . . . . . . . . . : 19.16.13.12

   Subnet Mask . . . . . . . . . . . : 255.255.255.0

   Default Gateway . . . . . . . . . : 19.16.13.10


Tunnel adapter Local Area Connection* 14:

   Connection-specific DNS Suffix  . :

   IPv6 Address. . . . . . . . . . . . : 2001:0:5ef5:79fb:20d0:151f:ecef:f2f3

   Link-local IPv6 Address . . . . . : fe80::20d0:151f:ecef:f2f3%6

   Default Gateway . . . . . . . . . :
```

```
C:\Users\Ashesh>ipconfig/all

Windows IP Configuration

    Host Name . . . . . . . . . . . . : Mistri
    Primary Dns Suffix  . . . . . . . :
    Node Type . . . . . . . . . . . . : Hybrid
    IP Routing Enabled. . . . . . . . : No
    WINS Proxy Enabled. . . . . . . . : No
    DNS Suffix Search List. . . . . . : sdsda


Ethernet adapter Ethernet:

    Media State . . . . . . . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Realtek PCIe GBE Family Controller
    Physical Address. . . . . . . . . : 6C-3B-E5-81-1A-E8
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes


Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . : sdsda
    Description . . . . . . . . . . . : Ralink RT3290 802.11bgn Wi-Fi Adapter
    Physical Address. . . . . . . . . : A3-12-33-44-23-85
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::cd9c:dd12:add0:50a9%3(Preferred)
    IPv4 Address. . . . . . . . . . . : 19.16.13.12(Preferred)
    Subnet Mask . . . . . . . . . . . : 255.255.255.0
    Lease Obtained. . . . . . . . . . : 24 February 2014 22:01:39
    Lease Expires . . . . . . . . . . : 25 February 2014 14:02:20
    Default Gateway . . . . . . . . . : 19.16.13.10
    DHCP Server . . . . . . . . . . . : 19.16.13.10
    DHCPv6 IAID . . . . . . . . . . . : 228857649
    DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-19-79-F5-15-6C-3B-E5-81-1A-E8

    DNS Servers . . . . . . . . . . . : 19.16.13.10
    NetBIOS over Tcpip. . . . . . . . : Enabled
```

Tunnel adapter Local Area Connection* 14:

   Connection-specific DNS Suffix . :

   Description . . . . : Teredo Tunneling Pseudo-Interface

   Physical Address. . . . . : 00-00-00-00-00-00-00-E0

   DHCP Enabled. . . . . : No

   Autoconfiguration Enabled . . . . : Yes

   IPv6 Address. . . . . : 2001:0:5ef5:79fb:20d0:151f:ecef:f2f3(Pref
erred)

   Link-local IPv6 Address . . . . . : fe80::20d0:151f:ecef:f2f3%6(Preferred)

   Default Gateway . . . . :

   DHCPv6 IAID . . . . : 167772160

   DHCPv6 Client DUID. . . . . : 00-01-00-01-19-79-F5-15-6C-3B-E5-81-1A-E8

   NetBIOS over Tcpip. . . . . : Disabled

C:\Users\Ashesh>**ipconfig**/renew

Windows IP Configuration

No operation can be performed on Ethernet while it has its media disconnected.

Ethernet adapter Ethernet:

   Media State . . . . : Media disconnected

   Connection-specific DNS Suffix . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix . : sdsda

   Link-local IPv6 Address . . . . . : fe80::cd9c:dd12:add0:50a9%3

   IPv4 Address. . . . . : 19.16.13.11

   Subnet Mask . . . . : 255.255.255.0

   Default Gateway . . . . : 19.16.13.10

Tunnel adapter Local Area Connection* 14:

   Connection-specific DNS Suffix . :

   IPv6 Address. . . . . : 2001:0:5ef5:79fb:20d0:151f:ecef:f2f3

   Link-local IPv6 Address . . . . . : fe80::20d0:151f:ecef:f2f3%6

   Default Gateway . . . . :

```
C:\Users\Ashesh>ipconfig/release

Windows IP Configuration

No operation can be performed on Ethernet while it has its media disconnected.

Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::cd9c:dd12:add0:50a9%3
   Default Gateway . . . . . . . . . :

Tunnel adapter Local Area Connection* 14:

   Connection-specific DNS Suffix  . :
   IPv6 Address. . . . . . . . . . . : 2001:0:5ef5:79fb:20d0:151f:ecef:f2f3
   Link-local IPv6 Address . . . . . : fe80::20d0:151f:ecef:f2f3%6
   Default Gateway . . . . . . . . . :



C:\Users\Ashesh>ipconfig/flushdns

Windows IP Configuration

Successfully flushed the DNS Resolver Cache.
```

```
C:\Users\Ashesh>nslookup www.gmail.com

Server:  Gargoyle.sdsda

Address:  19.16.13.10


Non-authoritative answer:

Name:    googlemail.l.google.com

Addresses:  2404:6800:4009:802::1016

           173.194.36.22

           173.194.36.21

Aliases:  www.gmail.com

          mail.google.com




C:\Users\Ashesh>ping 19.16.13.13


Pinging 19.16.13.13 with 32 bytes of data:

Reply from 19.16.13.13: bytes=32 time=867ms TTL=64

Reply from 19.16.13.13: bytes=32 time=7ms TTL=64

Reply from 19.16.13.13: bytes=32 time=59ms TTL=64

Reply from 19.16.13.13: bytes=32 time=74ms TTL=64


Ping statistics for 19.16.13.13:

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

Approximate round trip times in milli-seconds:

    Minimum = 7ms, Maximum = 867ms, Average = 251ms
```

```
C:\Users\Ashesh>tracert fcrit.ac.in

Tracing route to fcrit.ac.in [204.244.185.128]

over a maximum of 30 hops:


  1     2 ms      1 ms      1 ms   Gargoyle.sdsda [19.16.13.10]

  2     4 ms      4 ms      4 ms   10.0.0.1

  3     7 ms      5 ms      5 ms   123.242.232.51.ssdon.co.in [145.221.222.41]

  4     6 ms      6 ms      6 ms   smtp.ttml.co.in [49.248.254.161]

  5     *         6 ms      5 ms   202.149.208.68

  6     7 ms      7 ms      8 ms   59.162.20.226.static-mumbai.vsnl.net.in [9.2.0.6]

  7    33 ms     33 ms     32 ms   172.31.16.193

  8    32 ms     33 ms     32 ms   ix-4-2.tcore1.CXR-Chennai.as6453.net [180.7.6.9]

  9   232 ms    233 ms    234 ms   if-5-2.tcore1.SVW-Singapore.as6453.net [180.87.1
2.53]

 10   262 ms    263 ms    258 ms   if-6-2.tcore2.TV2-Tokyo.as6453.net [1.7.2.10]

 11   250 ms    252 ms    251 ms   if-2-2.tcore1.TV2-Tokyo.as6453.net [180.7.80.1]

 12   244 ms    244 ms    245 ms   if-12-0-0.core1.OOS-Seattle.as6453.net [180.87.1
81.14]

 13   259 ms    257 ms    259 ms   if-0-3-0-3.tcore1.OOS-Seattle.as6453.net [64.86.
123.5]

 14   249 ms    249 ms    249 ms   if-5-2.thar1.VCW-Vancouver.as6453.net [64.86.123
.114]

 15   251 ms    251 ms    251 ms   if-2-0-0-4.core3.VCW-Vancouver.as6453.net [64.86
.227.1]

 16   275 ms    274 ms    274 ms   ix-0-0-0.core3.VCW-Vancouver.as6453.net [4.6.1
15.10]

 17   269 ms    269 ms    269 ms   65.39.185.242

 18   269 ms    271 ms    271 ms   Po10.vgs7.navigata.net [204.244.12.226]

 19   279 ms    278 ms    277 ms   Vlan3.vsb2.navigata.net [204.244.12.46]

 20   281 ms    280 ms    285 ms   204.244.10.99

 21   272 ms    274 ms    281 ms   204.244.181.211

 22   278 ms    272 ms    286 ms   vps-1003040-869.clients.robsoninc.com [204.244.1
85.128]


Trace complete.
```

```
C:\Users\Ashesh>tracert 19.16.13.13

Tracing route to T328W.sdsda [19.16.13.13]

over a maximum of 30 hops:


  1    264 ms      3 ms      2 ms  T328W.sdsda [19.16.13.13]


Trace complete.
```