# Assignment 1

### **COL334**

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## 1. Networking Tools

(a) To Find IP address of my machine I use ipconfig in Command Prompt which give following output:

```
Command Prompt
C:\Users\Dhananjay>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. . . . . . . . . . . . 2402:3a80:1080:f500:c8dd:8684:36bc:c9a7
  Temporary IPv6 Address. . . . . : 2402:3a80:1080:f500:6952:8e55:c59c:5650
  Link-local IPv6 Address . . . . : fe80::c8dd:8684:36bc:c9a7%9
  IPv4 Address. . . . . . . . . : 192.168.155.103
  Default Gateway . . . . . . . : fe80::7cb4:4eff:fe68:5c69%9
                                   192.168.155.146
Ethernet adapter Bluetooth Network Connection:
  Media State . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix .:
```

By Above output Ip Address of my machine is 192.168.155.103(in 32-BIT) and 2402:3a80:1080:f500:c8dd:8684:36bc:c9a7(in 128-BIT).

Ip Address of our laptop and pc are not changed by changing service provider.

(b) 1.) To Find IpAddress of www.google.com and www.facebook.com i use nslookup in Command Prompt which give following output:



By Above output

Ip Address of www.google.com: 142.250.67.228(in 32-BIT)

2404:6800:4009:814::2004(in 128-BIT)

Ip Address of www.facebook.com: 31.13.79.35(in 32-BIT)

2a03:2880:f12f:183:face:b00c:0:25de(in 128-BIT)

2.)To Find IP Address using different DNS Server we have to write ip address of dns server after domain name in nslookup command .i use two dns server 185.228.168.9 and 76.76.19.19 .I get following output:

C:\Users\Dhananjay>nslookup www.google.com 185.228.168.9

Server: customfilter9-dns.cleanbrowsing.org

Address: 185.228.168.9

Non-authoritative answer: Name: www.google.com

Addresses: 2404:6800:4007:81b::2004

142.250.182.68

C:\Users\Dhananjay>nslookup www.facebook.com 185.228.168.9

Server: customfilter9-dns.cleanbrowsing.org

Address: 185.228.168.9

Non-authoritative answer:

Name: star-mini.c10r.facebook.com

Addresses: 2a03:2880:f10c:83:face:b00c:0:25de

157.240.7.35

Aliases: www.facebook.com

C:\Users\Dhananjay>nslookup www.google.com 76.76.19.19

Server: dns.alternate-dns.com

Address: 76.76.19.19

Non-authoritative answer:

Name: www.google.com

Addresses: 2a00:1450:4001:82b::2004

142.250.186.164

C:\Users\Dhananjay>nslookup www.facebook.com 76.76.19.19

Server: dns.alternate-dns.com

Address: 76.76.19.19

Non-authoritative answer:

Name: star-mini.c10r.facebook.com

Addresses: 2a03:2880:f142:182:face:b00c:0:25de

157.240.196.35

Aliases: www.facebook.com

#### By Above output

```
Ip Address of www.google.com By DNS Server(185.228.168.9) : 142.250.182.68(in 32-BIT) 2404:6800:4007:81b::2004(in 128-BIT) Ip Address of www.facebook.com By DNS Server(185.228.168.9) : 142.250.67.228(in 32-BIT) 2a03:2880:f10c:83:face:b00c:0:25de(in 128-BIT)
```

#### By Above output

```
Ip Address of www.google.com By DNS Server(76.76.19.19) : 142.250.186.164(in 32-BIT) 2a00:1450:4001:82b::2004(in 128-BIT) Ip Address of www.facebook.com By DNS Server(76.76.19.19) : 157.240.196.35(in 32-BIT) 2a03:2880:f142:182:face:b00c:0:25de(in 128-BIT)
```

So Ip address of the domain changes if we change DNS Server.

(c) 1.) By Ping to IP Address(with different TTL and Packet Size ) I got following output:

```
C:\Users\Dhananjay>ping 103.27.9.24

Pinging 103.27.9.24 with 32 bytes of data:
Reply from 103.27.9.24: bytes=32 time=221ms TTL=38
Reply from 103.27.9.24: bytes=32 time=199ms TTL=38
Reply from 103.27.9.24: bytes=32 time=198ms TTL=38
Reply from 103.27.9.24: bytes=32 time=207ms TTL=38

Ping statistics for 103.27.9.24:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 198ms, Maximum = 221ms, Average = 206ms
```

To Send Packets with different packet size we have to add "-I (size) " in command of ping.By sending Packet with 50 byte i got following output:

```
C:\Users\Dhananjay>ping 103.27.9.24 -1 50

Pinging 103.27.9.24 with 50 bytes of data:
Reply from 103.27.9.24: bytes=50 time=207ms TTL=38
Reply from 103.27.9.24: bytes=50 time=190ms TTL=38
Reply from 103.27.9.24: bytes=50 time=212ms TTL=38
Reply from 103.27.9.24: bytes=50 time=212ms TTL=38

Ping statistics for 103.27.9.24:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 190ms, Maximum = 212ms, Average = 200ms
```

To Send Packets with different TTL we have to add "-i (TTL) " in command of ping.By sending Packet with 50 byte i got following output:

```
C:\Users\Dhananjay>ping 103.27.9.24 -i 50

Pinging 103.27.9.24 with 32 bytes of data:
Reply from 103.27.9.24: bytes=32 time=210ms TTL=38
Reply from 103.27.9.24: bytes=32 time=350ms TTL=38
Reply from 103.27.9.24: bytes=32 time=305ms TTL=38
Reply from 103.27.9.24: bytes=32 time=196ms TTL=38

Ping statistics for 103.27.9.24:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 196ms, Maximum = 350ms, Average = 265ms
```

2.) the maximum size of ping packets that I was able to send to "www.iitd.ac.in" is 1416 bytes and i verify this by sending packet of size 1416 and 1417 five times and in all five times all packet of size 1416 is sent but no packet of 1417 is sent. Similarly I verify maximum size of ping packets that I was able to send to "www.google.com" and "www.facebook.com" which is 1310 for both.So The size of "www.iitd.ac.in" is not equal to the size of "www.google.com" and "www.facebook.com".
Output of all above ping are following:

```
Command Prompt
C:\Users\Dhananjay>ping www.iitd.ac.in -l 1416
Pinging www.iitd.ac.in [64:ff9b::671b:918] with 1416 bytes of data:
Reply from 64:ff9b::671b:918: time=220ms
Reply from 64:ff9b::671b:918: time=209ms
Reply from 64:ff9b::671b:918: time=214ms
Reply from 64:ff9b::671b:918: time=213ms
Ping statistics for 64:ff9b::671b:918:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 209ms, Maximum = 220ms, Average = 214ms
C:\Users\Dhananjay>ping www.iitd.ac.in -l 1417
Pinging www.iitd.ac.in [64:ff9b::671b:918] with 1417 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 64:ff9b::671b:918:
   Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Dhananjay>ping www.iitd.ac.in -l 1416
Pinging www.iitd.ac.in [64:ff9b::671b:918] with 1416 bytes of data:
Reply from 64:ff9b::671b:918: time=360ms
Reply from 64:ff9b::671b:918: time=279ms
Reply from 64:ff9b::671b:918: time=236ms
Reply from 64:ff9b::671b:918: time=348ms
Ping statistics for 64:ff9b::671b:918:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 236ms, Maximum = 360ms, Average = 305ms
C:\Users\Dhananjay>ping www.iitd.ac.in -l 1417
Pinging www.iitd.ac.in [64:ff9b::671b:918] with 1417 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 64:ff9b::671b:918:
   Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Dhananjay>ping www.iitd.ac.in -l 1416
```

```
Command Prompt
C:\Users\Dhananjay>ping www.google.com -l 1310
Pinging www.google.com [2404:6800:4009:814::2004] with 1310 bytes of data:
Reply from 2404:6800:4009:814::2004: time=97ms
Reply from 2404:6800:4009:814::2004: time=186ms
Reply from 2404:6800:4009:814::2004: time=119ms
Reply from 2404:6800:4009:814::2004: time=128ms
Ping statistics for 2404:6800:4009:814::2004:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 97ms, Maximum = 186ms, Average = 132ms
C:\Users\Dhananjay>ping www.google.com -l 1311
Pinging www.google.com [2404:6800:4009:814::2004] with 1311 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 2404:6800:4009:814::2004:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Dhananjay>ping www.google.com -l 1310
Pinging www.google.com [2404:6800:4009:814::2004] with 1310 bytes of data:
Reply from 2404:6800:4009:814::2004: time=134ms
Reply from 2404:6800:4009:814::2004: time=83ms
Reply from 2404:6800:4009:814::2004: time=224ms
Reply from 2404:6800:4009:814::2004: time=296ms
Ping statistics for 2404:6800:4009:814::2004:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 83ms, Maximum = 296ms, Average = 184ms
C:\Users\Dhananjay>ping www.google.com -l 1311
Pinging www.google.com [2404:6800:4009:814::2004] with 1311 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 2404:6800:4009:814::2004:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

```
Command Prompt
C:\Users\Dhananjay>ping www.facebook.com -l 1310
Pinging star-mini.c10r.facebook.com [2a03:2880:f12f:183:face:b00c:0:25de] with 1310 bytes of data:
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=140ms
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=117ms
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=174ms
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=209ms
Ping statistics for 2a03:2880:f12f:183:face:b00c:0:25de:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 117ms, Maximum = 209ms, Average = 160ms
C:\Users\Dhananjay>ping www.facebook.com -l 1311
Pinging star-mini.c10r.facebook.com [2a03:2880:f12f:183:face:b00c:0:25de] with 1311 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 2a03:2880:f12f:183:face:b00c:0:25de:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Dhananjay>ping www.facebook.com -l 1310
Pinging star-mini.c10r.facebook.com [2a03:2880:f12f:183:face:b00c:0:25de] with 1310 bytes of data:
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=255ms
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=212ms
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=190ms
Reply from 2a03:2880:f12f:183:face:b00c:0:25de: time=232ms
Ping statistics for 2a03:2880:f12f:183:face:b00c:0:25de:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 190ms, Maximum = 255ms, Average = 222ms
C:\Users\Dhananjay>ping www.facebook.com -l 1311
Pinging star-mini.c10r.facebook.com [2a03:2880:f12f:183:face:b00c:0:25de] with 1311 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 2a03:2880:f12f:183:face:b00c:0:25de:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\Users\Dhananjay>_
```

#### (d) tracert of www.iitd.ac.in give following output:

```
C:\Users\Dhananjay>tracert www.iitd.ac.in
Tracing route to www.iitd.ac.in [103.27.9.24]
over a maximum of 30 hops:
 1
        4 ms
                 2 ms
                           5 ms
                                 192.168.202.182
 2
                                 106.200.137.225
       34 ms
                26 ms
                          27 ms
                          18 ms
 3
       21 ms
                21 ms
                                 106.200.69.66
 4
       42 ms
                25 ms
                          22 ms
                                 nsg-corporate-69.78.186.122.airtel.in [122.186.78.69]
 5
                          27 ms
                                 182.79.153.89
       37 ms
                32 ms
       38 ms
 6
                46 ms
                          27 ms
                                 115.110.232.173.static.Delhi.vsnl.net.in [115.110.232.173]
       *
                 *
                                 Request timed out.
 7
 8
       32 ms
                29 ms
                          46 ms
                                 14.140.210.22.static-Delhi-vsnl.net.in [14.140.210.22]
 9
                37 ms
                          37 ms
                                 10.119.234.161
       42 ms
 10
                                 10.119.233.65
       32 ms
                28 ms
                          27 ms
 11
       30 ms
                37 ms
                          33 ms
                                 10.119.233.66
 12
                31 ms
                          40 ms
                                 103.27.9.24
       30 ms
13
       44 ms
                32 ms
                          33 ms
                                 103.27.9.24
 14
       30 ms
                38 ms
                          36 ms
                                 103.27.9.24
Trace complete.
```

tracert of www.google.com give following output:

```
C:\Users\Dhananjay>tracert www.google.com
Tracing route to www.google.com [2404:6800:4002:805::2004]
over a maximum of 30 hops:
  1
        2 ms
                  2 ms
                           2 ms
                                  2401:4900:5466:e59c::93
  2
       27 ms
                 36 ms
                          23 ms
                                  2401:4900:20:d2::1
  3
       41 ms
                 21 ms
                          18 ms
                                  2401:4900:5a6c:12::2
  4
                          25 ms
                                  2404:a800:1a00:802::a9
       31 ms
                 29 ms
  5
       67 ms
                 92 ms
                          98 ms
                                  2404:a800::92
  6
       92 ms
                 67 ms
                          68 ms
                                  2001:4860:1:1::105c
  7
                                  2404:6800:8124::1
       72 ms
                 74 ms
                          63 ms
  8
                                  Request timed out.
  9
       80 ms
                 58 ms
                          64 ms
                                  2001:4860:0:e00::a
 10
       75 ms
                 83 ms
                          66 ms
                                  2001:4860::9:4001:163c
 11
       71 ms
                 82 ms
                          76 ms
                                  2001:4860::9:4001:b923
 12
                                  Request timed out.
 13
       67 ms
                          71 ms
                                  2001:4860:0:1::fb3
                                  del03s06-in-x04.1e100.net [2404:6800:4002:805::2004
 14
       82 ms
                          72 ms
                 68 ms
Trace complete.
```

To Make Site Use ipv4(in ipv4 no of hps decrease) we have to write -4 in between tracert and site just like following:

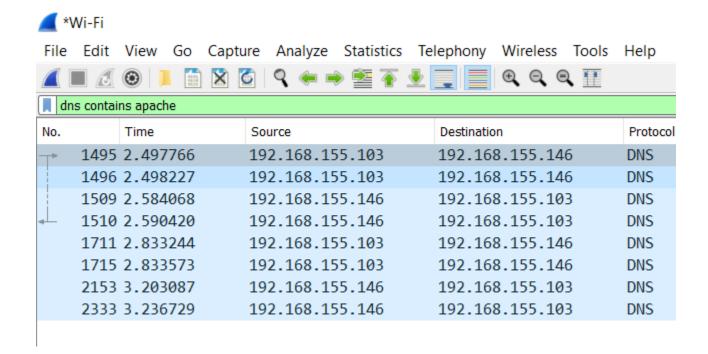
```
C:\Users\Dhananjay>tracert -4 www.google.com
Tracing route to www.google.com [216.58.196.196]
over a maximum of 30 hops:
        1 ms
                 1 ms
                                 192.168.202.182
  1
                           2 ms
                                 106.200.137.225
  2
       26 ms
                          33 ms
                29 ms
  3
       27 ms
                37 ms
                          38 ms
                                 106.200.69.64
  4
       26 ms
                20 ms
                          29 ms
                                 nsg-corporate-61.78.186.122.airtel.in [122.186.78.61
  5
       28 ms
                38 ms
                          29 ms
                                 116.119.81.177
  6
       31 ms
                33 ms
                          32 ms
                                 142.250.161.56
                                 142.251.66.169
  7
       63 ms
                58 ms
                          63 ms
  8
       90 ms
                62 ms
                          49 ms
                                 216.239.47.99
  9
       35 ms
                29 ms
                          27 ms
                                 kul06s14-in-f196.1e100.net [216.58.196.196]
Trace complete.
```

tracert of www.facebook.com give following output:

```
C:\Users\Dhananjay>tracert www.facebook.com
Tracing route to star-mini.c10r.facebook.com [2a03:2880:f12f:83:face:b00c:0:25de]
over a maximum of 30 hops:
                          2 ms 2401:4900:5466:e59c::93
       2 ms
                1 ms
                38 ms
                         29 ms 2401:4900:20:d2::1
 2
       28 ms
               27 ms
       32 ms
                         31 ms 2401:4900:5a6c:13::2
       26 ms
               26 ms
                         31 ms 2404:a800:1a00:802::ad
                78 ms
                        86 ms 2404:a800::1
       60 ms
       55 ms
               50 ms
                        66 ms ae18.pr03.bom1.tfbnw.net [2620:0:1cff:dead:beee::85a]
       54 ms
               52 ms
                         59 ms po103.psw01.bom1.tfbnw.net [2620:0:1cff:dead:bef0::e1]
               57 ms
       70 ms
                         55 ms po5.msw1ak.01.bom1.tfbnw.net [2a03:2880:f02f:ffff::e5]
 8
       60 ms
               52 ms
                        52 ms edge-star-mini6-shv-01-bom1.facebook.com [2a03:2880:f12f:83:face:b00c:0:25de
Trace complete.
C:\Users\Dhananjay>_
```

## 2. Packet Analysis

(a) by using the "dns contain apache" filter i get following output:



So DNS request-response = 2.584068 - 2.497766 = 0.086302.

(b) by using the "http contain apache" filter we get 34 http protocol.by http protocol we get webpages html file,css file,javascript file,data and jpg.As webpages only have one html file,css file,javascript file,So more of no of http protocol suggest that there more no of image and data in it.

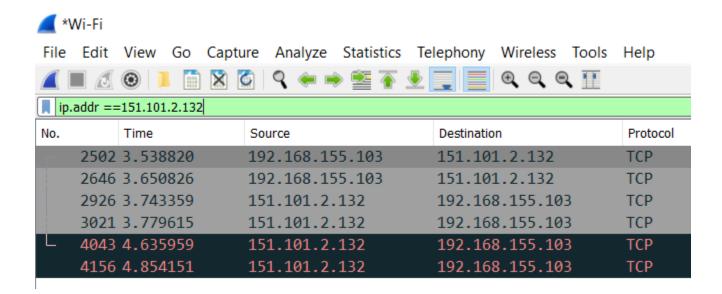
Output of "http contain apache" filter is following:



File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

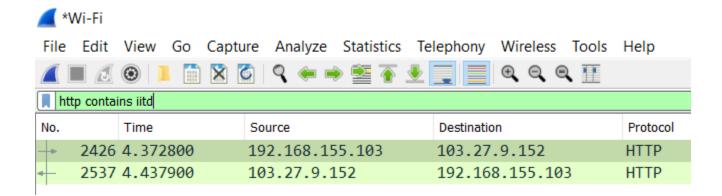
			🕻 🧯 🤇		🕎 📃 🗨 ६ ६ 🖽			
http contains apache								
No	o.	Time	Source		Destination	Protocol	Length	Info
+	1589	2.654556	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	524	GET
+	1694	2.769798	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	427	GET
	1707	2.832107	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	420	GET
	1742	2.857122	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	478	GET
	1796	2.899576	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	413	GET
	1813	3 2.907938	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	474	GET
i	1818	3 2.909205	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	503	GET
i	1819	2.910264	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	511	GET
i	1823	3 2.917306	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	406	GET
i	2062	3.047851	2401:	4900:41d1:3fd5	2a04:4e42::644	HTTP	406	GET
İ		3.160258			2a04:4e42::644	HTTP		GET
İ		3.177984			2a04:4e42::644	HTTP		GET
İ		3.184365			2a04:4e42::644	HTTP		GET
İ		3.185687			2a04:4e42::644	HTTP		GET
		3.198047			2a04:4e42::644	HTTP		GET
İ		13.203990			2a04:4e42::644	HTTP		GET
ł		3.277150			2a04:4e42::644	HTTP		GET
1		13.280737			2a04:4e42::644	HTTP		GET
1		3.506768			2404:6800:4002:80c:			GET
1		3.598472			2a04:4e42::644	HTTP		GET
1		3.707173			2a04:4e42::644	HTTP		GET
ŀ		3.722435		4e42::644	2401:4900:41d1:3fd5			HTTP
i		2 3.727162			2a04:4e42::644	HTTP		GET
i		3.727440			2a04:4e42::644	HTTP		GET
ł		3.735441			2a04:4e42::644	HTTP		GET
		3.785522		4e42::644	2401:4900:41d1:3fd5			HTTP
		3.890059		4e42::644				HTTP
		3.917572		4e42::644	2401:4900:41d1:3fd5			HTTP
		3.949083		4e42::644	2401:4900:41d1:3fd5			HTTP
		3.949463		4e42::644	2401:4900:41d1:3fd5			HTTP
		4.189369			2404:6800:4002:80c:			GET
		4.371864			2404:6800:4002:81f:			GET
		5.744931			2a04:4e42::644	HTTP		GET
	5036	5 5 . 821251	2401:	4900:4101:3†05	2a04:4e42::644	HTTP	529	GET

(c) by using the "ip addr==(ip address of http://apache.org/)" filter i get following output:



By above output time for the last content object which was received = 4.854151. By part (a) time for first dns request = 2.497766. total time taken to download the entire webpage = 4.854151-2.497766 = 2.356385.

(d) by using the "http contain iitd" filter for "http://www.cse.iitd.ac.in/" we get 2 http protocol,So yes we get http traffic.Output for the http filter is following:



### 3. Implement Traceroute using Ping

```
C:\Windows\System32\cmd.exe
D:\A1>tracert www.iitd.ac.in
Tracing route to www.iitd.ac.in [103.27.9.24]
over a maximum of 30 hops:
        3 ms
                  2 ms
                           2 ms
                                 192.168.155.146
       33 ms
                 32 ms
                          28 ms
                                  192.168.31.1
       35 ms
                 58 ms
                          29 ms
                                  192.168.12.36
  4
       28 ms
                 25 ms
                          32 ms
                                  192.168.12.177
  5
       39 ms
                 24 ms
                          28 ms
                                  dsl-tn-dynamic-081.222.22.125.airtelbroadband.in [125.22.222.81]
       32 ms
 6
                 39 ms
                          36 ms
                                  182.79.176.142
       33 ms
                 53 ms
                          43 ms
                                  115.110.232.173.static.Delhi.vsnl.net.in [115.110.232.173]
                                  Request timed out.
 8
                          31 ms
 9
       37 ms
                 37 ms
                                  14.140.210.22.static-Delhi-vsnl.net.in [14.140.210.22]
 10
       30 ms
                44 ms
                          57 ms
                                  10.119.234.161
 11
       65 ms
                80 ms
                          80 ms
                                  10.119.233.65
 12
       83 ms
                41 ms
                          34 ms
                                  10.119.233.66
 13
       52 ms
                 55 ms
                          58 ms
                                  103.27.9.24
 14
      460 ms
                343 ms
                         253 ms
                                  103.27.9.24
 15
      222 ms
                108 ms
                         164 ms
                                  103.27.9.24
race complete.
D:\A1>trac.exe
www.iitd.ac.in
Tracing route to www.iitd.ac.in [103.27.9.24]
over a maximum of 30 hops:
        1 ms
                  2 ms
                           3 ms
                                 192.168.155.146
 2
       29 ms
                 32 ms
                          33 ms
                                  192.168.31.1
       30 ms
                 36 ms
                          32 ms
                                  192.168.12.36
 4
       27
          ms
                 30 ms
                          26 ms
                                  192.168.12.177
       27 ms
                 36 ms
                          22 ms
                                  125.22.222.81
 6
                 33 ms
                          46 ms
                                  182.79.176.142
       38 ms
  7
                          37 ms
                                  115.110.232.173
       41 ms
                 38 ms
 8
                                  Request timed out.
                           *
 9
                                  Request timed out.
 10
                                  Request timed out.
 11
                                  10.119.233.65
                  *
 12
                                  10.119.233.66
                                  103.27.9.24
 13
       74 ms
                46 ms
                          48 ms
 14
       48 ms
                 43 ms
                          45 ms
                                  103.27.9.24
 15
       32 ms
                45 ms
                          34 ms
                                  103.27.9.24
Trace complete.
```

For the Request Time out case I take RTT zero.

