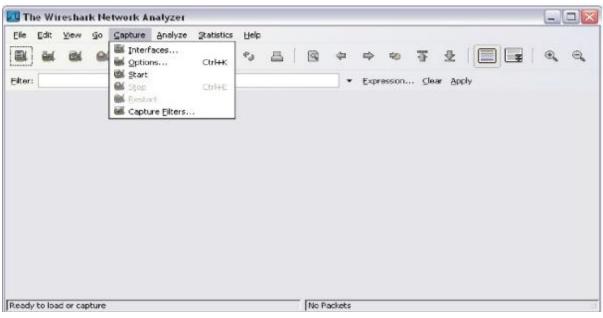
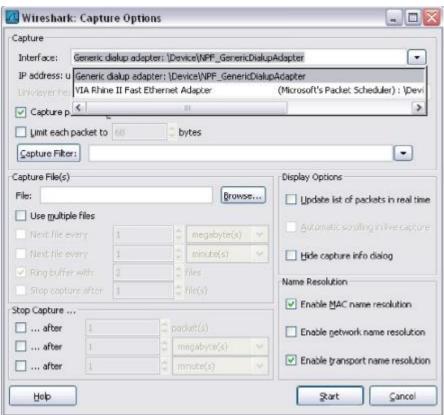
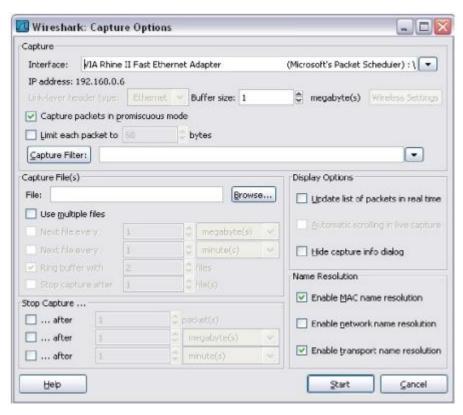
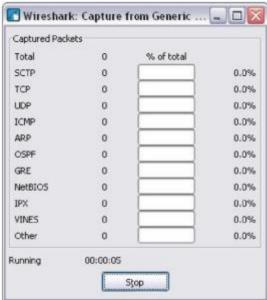
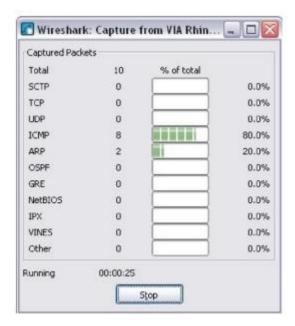
EXP5: Use of Wireshark tool to capture and examine packets

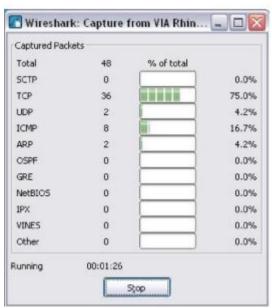


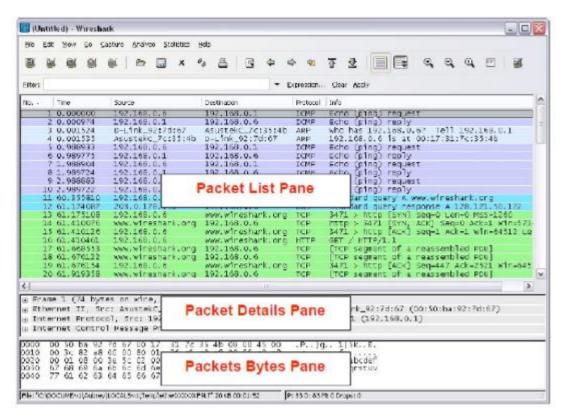


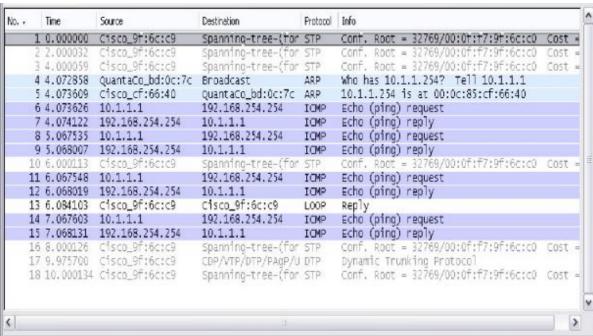












```
E Frame 6 (74 bytes on wine, 74 bytes captured)

Arrival Time: Jan 10, 2007 01:54:07.860436000

[Time delta from previous packet: 0.000017000 seconds]

[Frime since reference or first frame: 4.073626000 seconds]

Frame Number: 6

Packet Length: 74 bytes

Capture Length: 74 bytes

[Frame is marked: False]

[Protocols in frame: ethip:iomp:data]

[Coloring Rule Name: ICMP]

[Coloring Rule String: iomp]

Ethernet II, Smc: quantaco_bdio0:7c (00:c0:9f:bd:0c:7c), Dst: cisco_cf:66:40 (00:0c:85:cf:66:40)

■ Destination: cisco_cf:66:40 (00:0c:85:cf:66:40)

■ Source: quantaco_bdio0:7c (00:c0:9f:bd:0c:7c), Dst: cisco_cf:66:40 (00:0c:85:cf:66:40)

■ Source: quantaco_bdio0:7c (00:c0:9f:bd:0c:7c), Dst: cisco_cf:66:40 (00:0c:85:cf:66:40)

■ Internet Protocol, Smc: 10.1.1.1 (10.1.1.1), Dst: 192.168.254.254 (192.168.254.254)

Version: 4

Header length: 60

Identification: 0x0bf7 (3063)

■ Flags: 0x00

Fragment offset: 0

Time to live: 128

Protocol: ICMP (0x01)

Header checksum: 0x6421 [correct]

Source: 10.1.1.1 (10.1.1.1)

Destination: 192.168.254.254 (192.168.254.254)

■ Internet Control Message Protocol

Type: 8 (%cho (ping) request)

Code: 0

Checksum: 0x2afc [correct]

Identifier: 0xx3000

Sequence number: 0x2000
```

```
:\Users\singh>tracert 8.8.8.8 🦛
Tracing route to google-public-dns-a.google.com [8.8.8.8] over a maximum of 30 hops:
                                   <1 ms
15 ms
13 ms
14 ms
                                               192.168.1.1
         13 ms
14 ms
                      20 ms
13 ms
                                              120.57.48.1
triband-del-59.180.212.202.bol.net.in [59.180.212.202]
triband-del-59.180.210.150.bol.net.in [59.180.210.150]
  2
         14 ms
                       14 ms
         14 ms
                       13 ms
                                    13 ms
                                              182.79.181.230
182.79.190.57
182.79.198.162
72.14.197.166
  6
7
8
         14 ms
                       16 ms
                                    60 ms
92 ms
62 ms
                      59 ms
         60 ms
         67 ms
                     101 ms
  9
         63 ms
                       63 ms
                                              108.170.253.121
216.239.63.213
 10
                                    54 ms
11
12
13
14
        122 ms
                       89 ms
                                    88 ms
                                              216.239.47.109
         87 ms
                       86 ms
                                    86 ms
                                               Request timed out.
                                               Request timed out.
                                               Request timed out.
16
17
                                               Request timed out
                                              Request timed out.
Request timed out.
18
 19
                                               Request timed out.
                                              Request timed out.
Request timed out.
 20
22
         88 ms
                      88 ms
                                    87 ms
                                              google-public-dns-a.google.com [8.8.8.8]
                                                                                                                      П
race complete.
```

Source	Destination	Protocol	Ler	Info
192.168.1.101	192.168.1.1	DNS		Standard query 0x8c5e PTR 8.8.8.8.in-addr.arpa
192.168.1.101	192.168.1.1	DNS		Standard query 0x8c5e PTR 8.8.8.in-addr.arpa
192.168.1.1	192.168.1.101	DNS		Standard query response 0x8c5e PTR 8.8.8.8.in-addr.arpa PTR goog.
192.168.1.1	192.168.1.101	DNS		Standard query response 0x8c5e PTR 8.8.8.8.in-addr.arpa PTR goog:
192.168.1.101	8.8.8.8	ICMP		Echo (ping) request id=0x0001, seq=206/52736, ttl=1 (no response
192.168.1.1	192.168.1.101	ICMP		Time-to-live exceeded (Time to live exceeded in transit)
192.168.1.101		ICMP		Echo (ping) request id=0x0001, seq=207/52992, ttl=1 (no response
192.168.1.1	192.168.1.101	ICMP		Time-to-live exceeded (Time to live exceeded in transit)
192.168.1.101	8.8.8.8	ICMP		Echo (ping) request id=0x0001, seq=208/53248, ttl=1 (no response
192.168.1.1	192.168.1.101	ICMP		Time-to-live exceeded (Time to live exceeded in transit)
192.168.1.101	192.168.1.1	DNS		Standard query 0x247f PTR 1.1.168.192.in-addr.arpa

192.168.1.101	8.8.8.8	ICMP		Echo	(ping)	request	id=0x0001,	seq=268/3073,	ttl=21	(no respon
192.168.1.101	8.8.8.8	ICMP	m	Echo	(ping)	request	id=0x0001,	seq=269/3329,	ttl=22	(reply in :
8.8.8.8	192.168.1.101	ICMP	CIT	Echo	(ping)	reply	id=0x0001,	seq=269/3329,	ttl=46	(request i
192.168.1.101	8.8.8.8	ICMP	m	Echo	(ping)	request	id=0x0001,	seq=270/3585,	ttl=22	(reply in
8.8.8.8	192.168.1.101	ICMP	m.	Echo	(ping)	reply	id=0x0001,	seq=270/3585,	ttl=46	(request i
192.168.1.101	8.8.8.8	ICMP		Echo	(ping)	request	id=0x0001,	seq=271/3841,	ttl=22	(reply in :
8.8.8.8	192.168.1.101	ICMP		Echo	(ping)	reply	id=0x0001,	seq=271/3841,	ttl=46	(request i