

Computer Science & Engineering

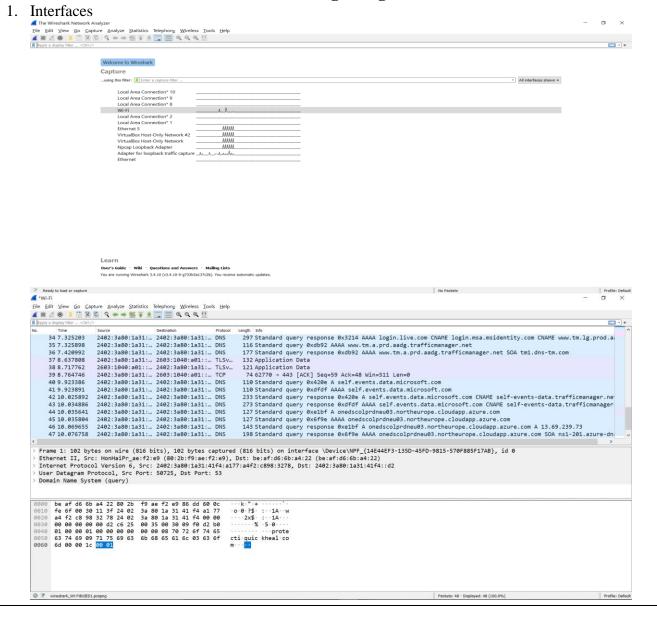
CSE3501 - Information Security Analysis and Audit

LAB ASSIGNMENT 4

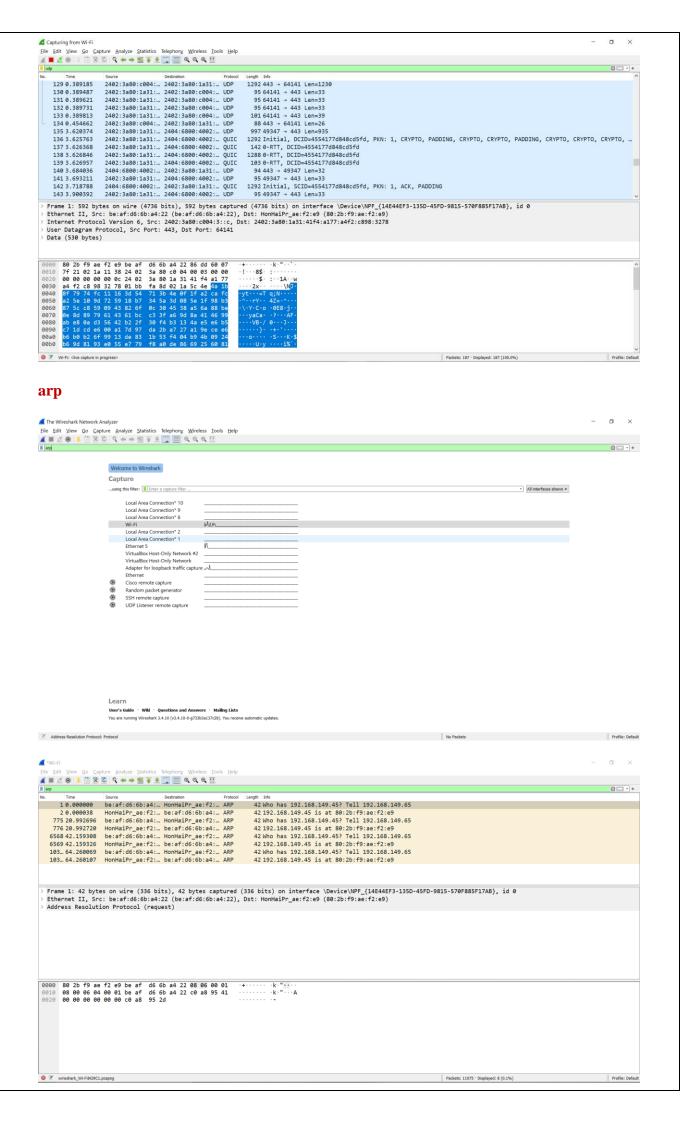
Submitted to **Prof. RAJA SP**

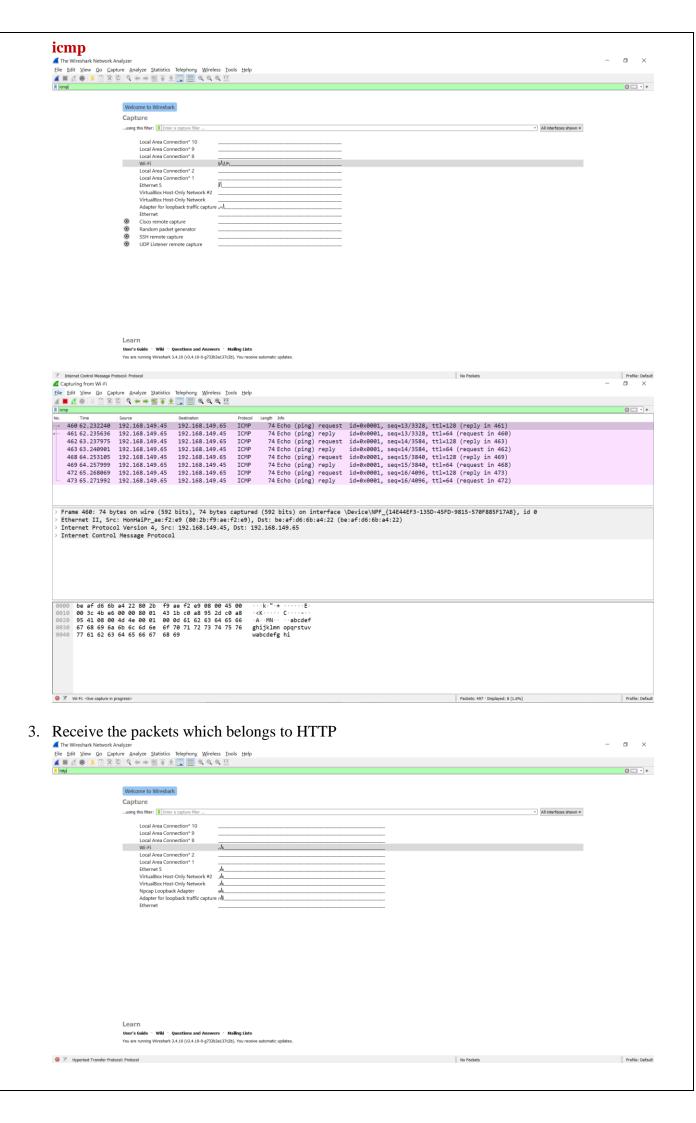
NAME: PUNIT MIDDHA REG.NO: 19BCE2060 SLOT: L39+L40 DATE: 20/11/2021

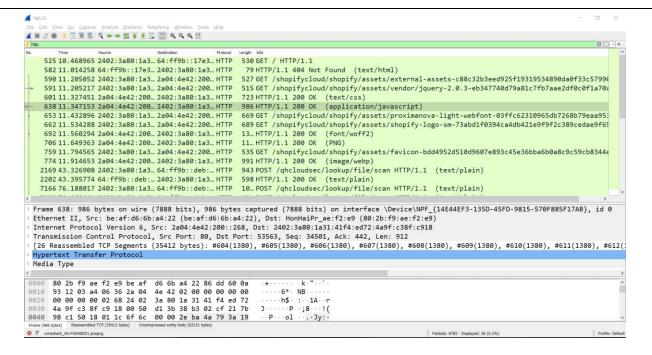
Network Packets Sniffing using Wireshark



2. Apply a filter which shows the packets which belongs to any one of the categories (ICMP, ARP, UDP, TCP) * + Welcome to Wireshark Capture Local Area Connection* 10 _____ Wi-Fi Local Area Connection* 2 Local Area Connection* 1 Learn Capturing from Wi-Fi ty Time Source Destination Destination 1984 33.428469 2402:3880:1a31:... 2620:1ec:42::132 TCP 1985 33.786840 2620:1ec:42::132 Z402:3a80:1a31:... TLSV... 1986 33.7868840 2620:1ec:42::132 Z402:3a80:1a31:.. TLSV... 1988 33.7868840 2620:1ec:42::132 Z402:3a80:1a31:.. TLSV... 1988 33.7868840 2620:1ec:42::132 Z402:3a80:1a31:.. TLSV... 1984 39.871.295 2402:3a80:1a31:.. 64:ff9b::1762:6.. TLSV... 2921 40.024040 40:ff9b::1362:6.. 2402:3a80:1a31:.. TCP 3468 40.424575 464:ff9b::3472:8. Z402:3a80:1a31:.. TCP 3468 40.43675 2402:3a80:1a31:.. 64:ff9b::3472:8. TLSV... 3955 40.751449 64:ff9b::3472:8. Z402:3a80:1a31:.. TCP 4304 43.373100 2402:3a80:1a31:.. 2404:6800:4003:.. TCP 4304 43.48877 2404:6800:4003:.. 2402:3a80:1a31:.. TCP 5984 48.47248 2402:3a80:1a31:.. 2404:6800:4003:.. TCP 5984 48.47248 2402:3a80:1a31:.. 2404:6800:4003:.. TCP 5984 48.47248 2402:3a80:1a31:.. 2402:3a80:1a31:.. TCP 5984 48.47248 2402:3a80:1a31:.. TCP 5984 48.47248 2402:3a80:1a31:.. TCP 5984 48.47248 2402:3a80:1a31:.. TCP 5984 5402:3a80:1a31:.. TCP 598 ×+ Length Info 74 63191 → 443 [ACK] Seq=7184 Ack=47 Win=508 Len=0 74 63191 - 443 [ACK] Seq=7184 Ack=47 Win=508 Len=0
309 Application Data
312 Application Data
112 Application Data
114 Application Data
74 63191 - 443 [ACK] Seq=7184 Ack=569 Win=512 Len=0
143 Application Data
74 443 - 62826 [ACK] Seq=70 Ack=139 Win=2048 Len=0
410 Application Data
251 Application Data
74 443 - 638093 [ACK] Seq=672 Ack=355 Win=2044 Len=0
75 62786 - \$228 [ACK] Seq=1 Ack=355 Win=2044 Len=0
75 62786 - \$228 [ACK] Seq=1 Ack=2 Win=509 Len=1
86 5228 - 62786 [ACK] Seq=1 Ack=2 Win=265 Len=0 SLE=1 SRE=2
132 Application Data
74 62770 - 443 [ACK] Seq=117 Ack=95 Win=508 Len=0
(3272 hitc) on interface Desire NME (148445E3.1350-4555-981) Frame 1: 489 bytes on wire (3272 bits), 489 bytes captured (3272 bits) on interface \Device\NPF_[14E44EF3-135D-45FD-9815-570F885F17AB}, id 0 Ethernet II, Src: be:af:d6:6b:a4:22 (be:af:d6:6b:a4:22), Dst: HonHaiPr_ae:f2:e9 (80:2b:f9:ae:f2:e9)
Internet Protocol Version 6, Src: 64:ff9b::3472:8ef4, Dst: 2402:3a80:1a31:41f4:a177:a4f2:c898:3278
Transmission Control Protocol, Src Port: 443, Dst Port: 63003, Seq: 1, Ack: 1, Len: 335
Transport Layer Security Packets: 6290 - Displayed: 41 (0.7%) udp 0 File Edit View Go Capture Analyze Statistics Telephony, Wireless Jools Help Welcome to Wireshark ..using this filter: ▼ All interfaces shown ▼ Local Area Connection* 10
Local Area Connection* 9
Local Area Connection* 9
Local Area Connection* 2
Local Area Connection* 3
Local Area Connectio A A ... User's Guide · Wiki · Questions and Answers · Mailing Lists
You are running Wireshark 3.4.10 (v3.4.10-0-g733b3a137c2b), You recei

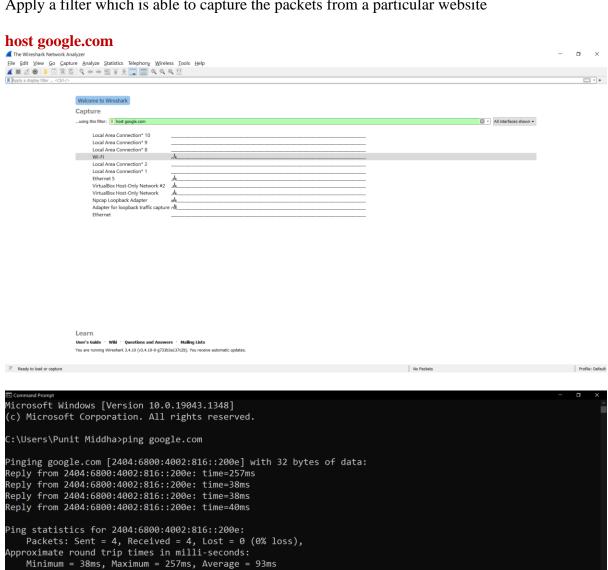


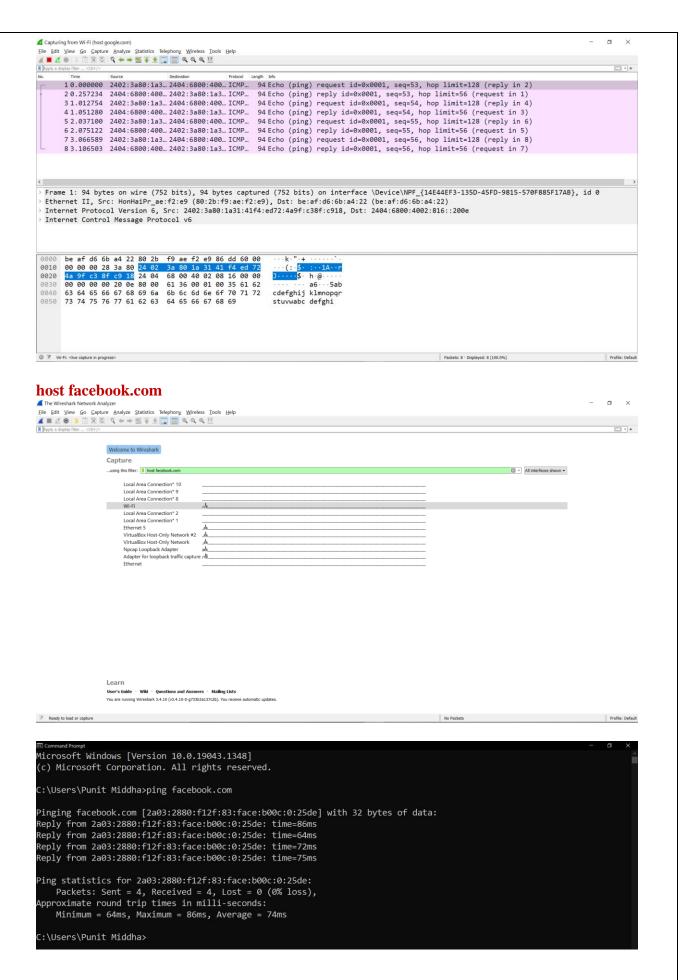


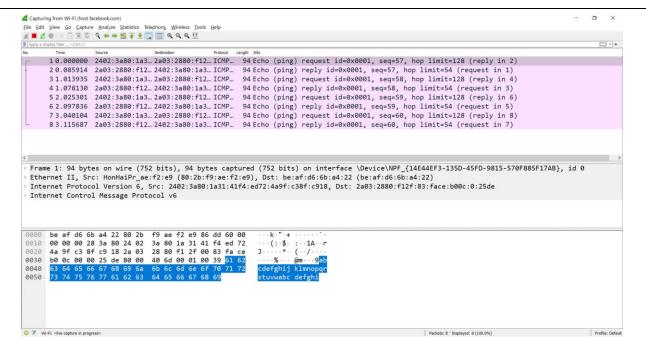


4. Apply a filter which is able to capture the packets from a particular website

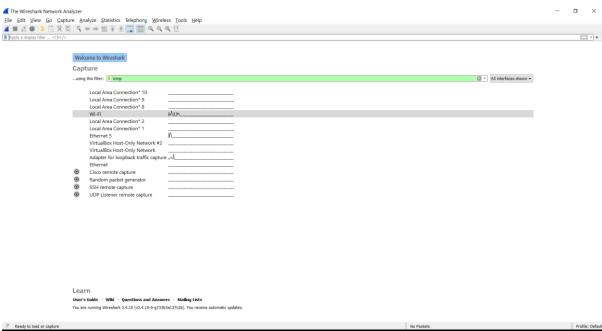
:\Users\Punit Middha>







5. Receive the packets which belongs to icmp



```
## Memby blade or capture
### Command Prompt
### Autoconfiguration Enabled ... : Yes
IPv6 Address ... : 2402:3380:1a38:7832:3075:c080:d661:2368(Preferred)
Temporary IPv6 Address ... : 2402:3380:1a38:7832:ad8b:5753:c564:b230(Preferred)
Link-local IPv6 Address ... : fe80::3075:c080:d661:23e8%5(Preferred)
Link-local IPv6 Address ... : 192.168.149.45(Preferred)
IPv4 Address ... : 192.168.149.45(Preferred)
Subnet Mask ... : 255.255.255.0
Lease Expires ... : 21 November 2021 11:35:20
Lease Expires ... : 21 November 2021 12:35:19
Default Gateway ... : fe80::bcaf::d6ff:fe6b:a422%5
DHCP Server ... : 192.168.149.65
DHCP Server ... : 192.168.149.65
DHCP Client DUID ... : 00-01-00-01-25-AD-03-88-3C-2C-30-A6-7A-87
DNS Servers ... : 192.168.149.65
NetBIOS over Tcpip ... : Enabled

C:\Users\Punit Middha>ping 192.168.149.65
Pinging 192.168.149.65: bytes=32 time=3ms TTL=64
Reply from 192.168.149.65: bytes=
```

