CO223

Lab 01 – Wireshark lab

Reg No – E/19/166

1.

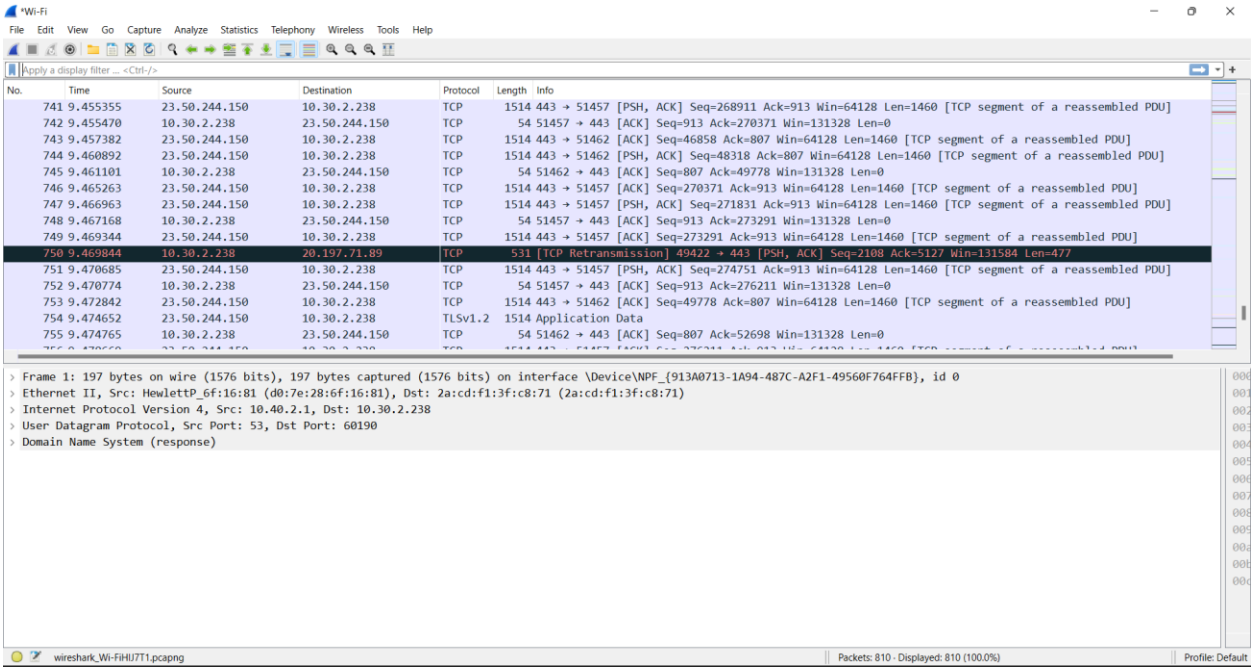

Figure 01

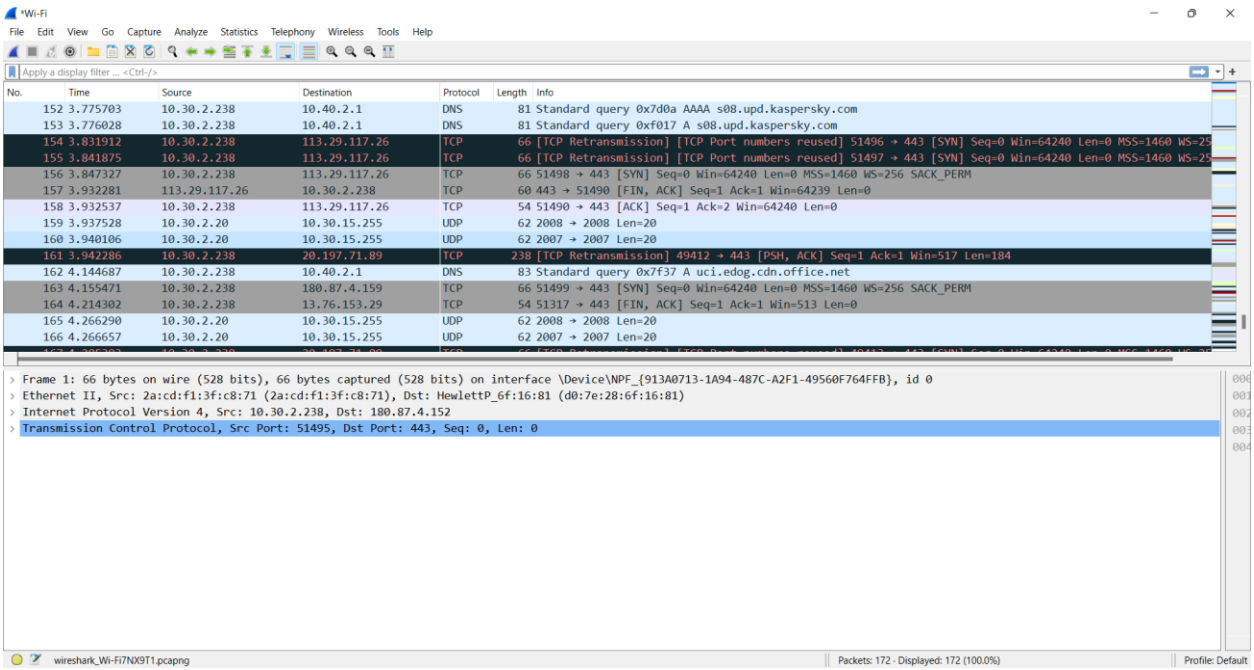

Figure 02

All TCP, QUIC, HTTP, DNS, UDP and TLSv1.2 protocols were appeared in my trace file.

2.

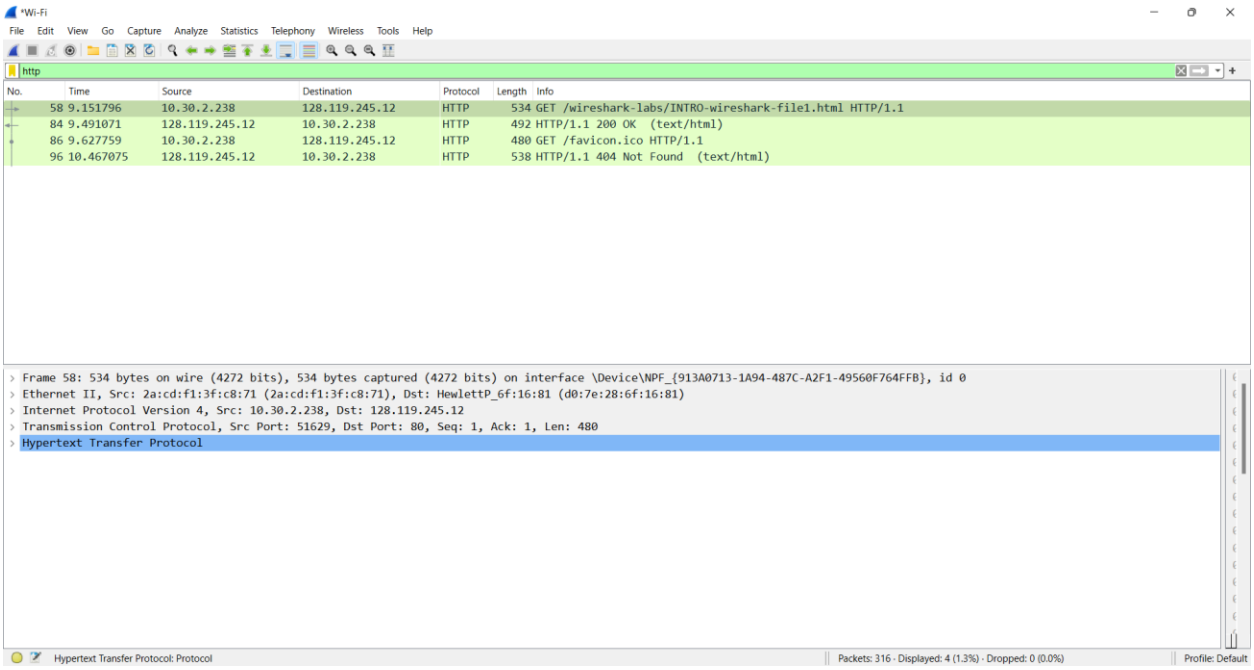

Figure 03

Time for the process = 9.491071 – 9.151796

= 0.339275 seconds

3. As shown in Figure 03,

Internet address of gaia.cs.umass.edu = 128.119.245.12

Internet address of my computer = 10.30.2.238

4.

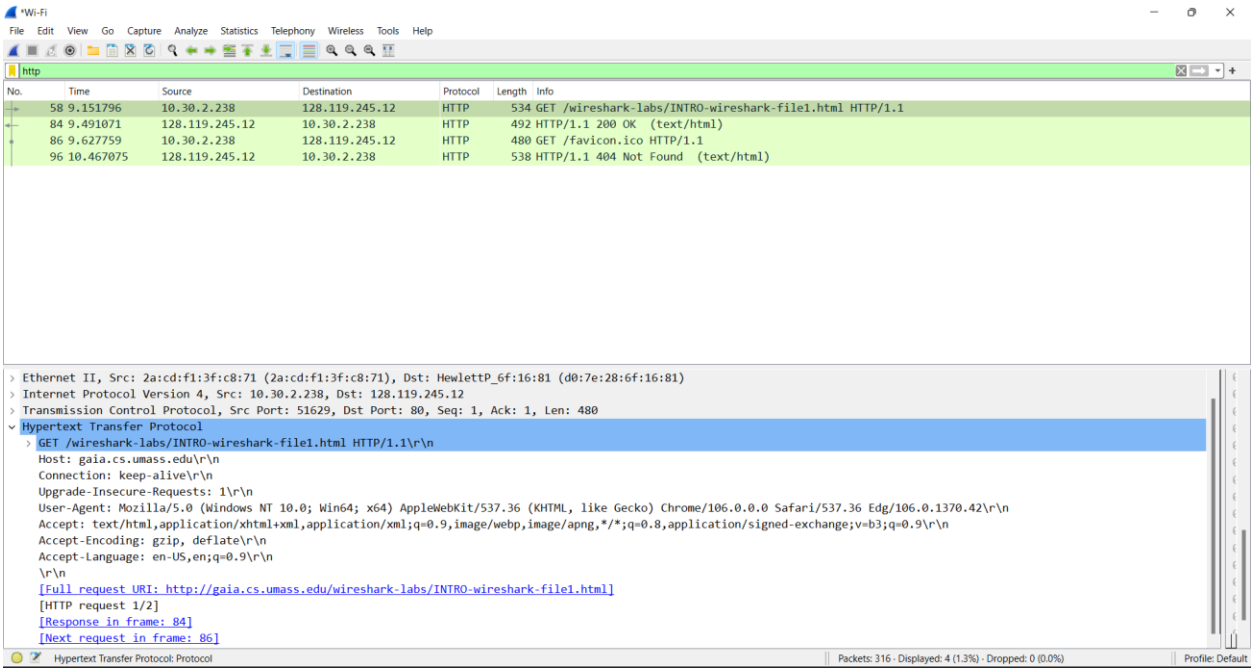

Figure 04

I used Google chrome browser but in the right end of user-agent field shows my browser as safari.(Figure 04)

This may happen because of some browsers share the same rendering engine. For example, both Safari and Google Chrome use the same Webkit(an open-source rendering engine developed by Apple) rendering engine. As a result, they will both have pieces of their user-agent which will match and/or mention the other browser.

Therefore, my browser is Google Chrome.

5.

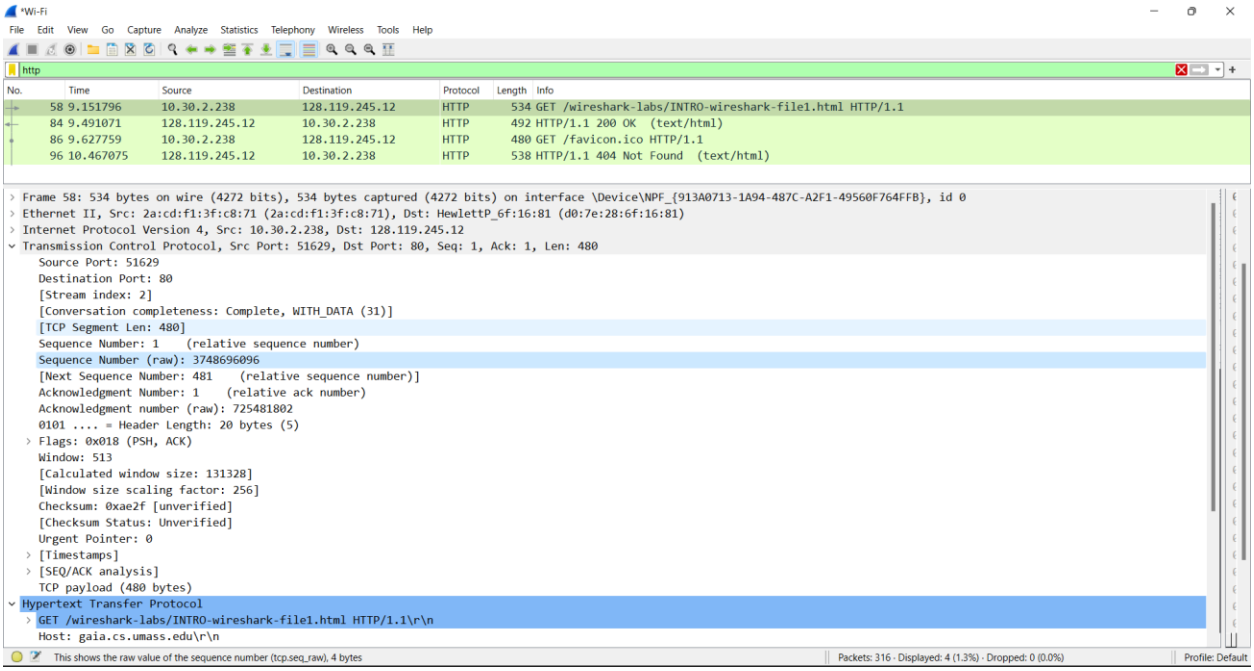

Figure 05

As in Figure 05,

Destination port: 80

6.

Print of “Get” Message

```
No.     Time           Source                Destination           Protocol Length Info
     58 9.151796       10.30.2.238           128.119.245.12        HTTP     534    GET /wireshark-labs/INTRO-wireshark-
file1.html HTTP/1.1
Frame 58: 534 bytes on wire (4272 bits), 534 bytes captured (4272 bits) on interface \Device\NPF_{913A0713-1A94-487C-
A2F1-49560F764FFB}, id 0
Ethernet II, Src: 2a:cd:f1:3f:c8:71 (2a:cd:f1:3f:c8:71), Dst: HewlettP_6f:16:81 (d0:7e:28:6f:16:81)
Internet Protocol Version 4, Src: 10.30.2.238, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 51629, Dst Port: 80, Seq: 1, Ack: 1, Len: 480
Hypertext Transfer Protocol
```

Print of “OK”message

```
No.     Time           Source                Destination           Protocol Length Info
     84 9.491071       128.119.245.12        10.30.2.238           HTTP     492    HTTP/1.1 200 OK  (text/html)
Frame 84: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface \Device\NPF_{913A0713-1A94-487C-
A2F1-49560F764FFB}, id 0
Ethernet II, Src: HewlettP_6f:16:81 (d0:7e:28:6f:16:81), Dst: 2a:cd:f1:3f:c8:71 (2a:cd:f1:3f:c8:71)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.30.2.238
Transmission Control Protocol, Src Port: 80, Dst Port: 51629, Seq: 1, Ack: 481, Len: 438
Hypertext Transfer Protocol
Line-based text data: text/html (3 lines)
```