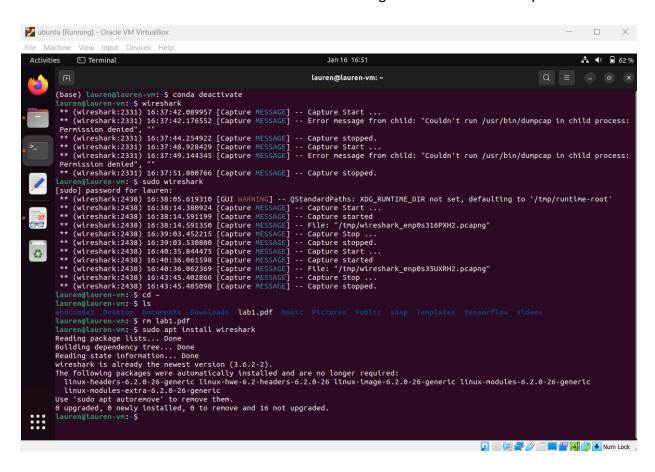
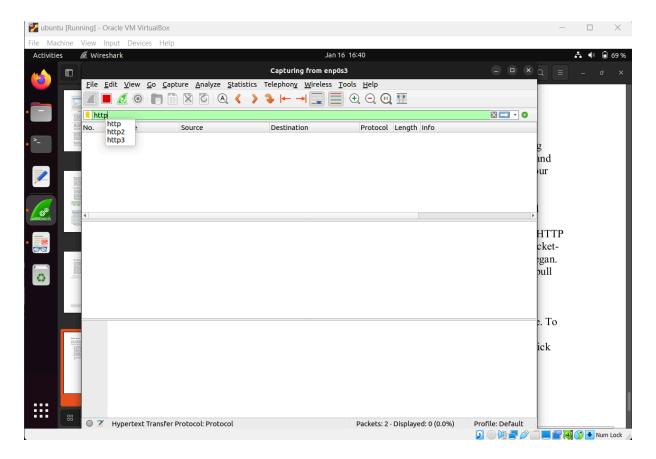
Lab 1 - Advanced Computer Networks

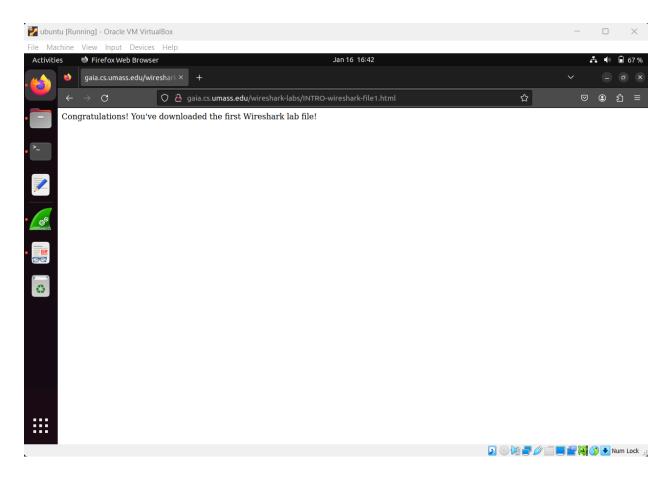
1. The first thing I did was install Wireshark on my Ubuntu 22.04 virtual machine. In this case I do not have the screenshot of the installation so below is a screenshot showing that I have the most updated version.



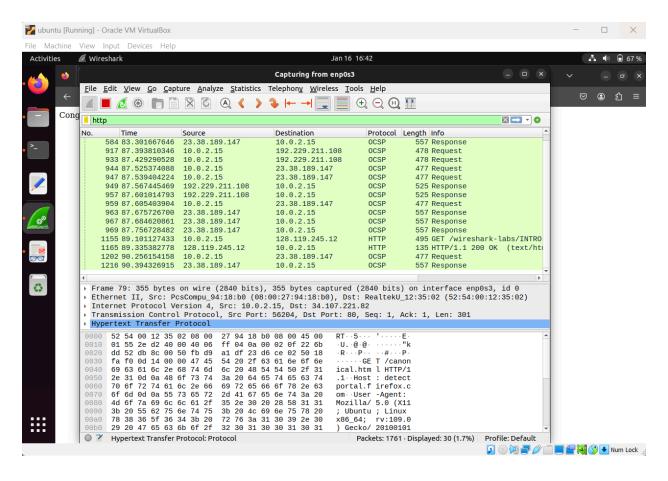
2. Next I opened Wireshark and investigated the UI as the lab suggested. I then initiated a packet capturing session.



3. Next I navigated to the URL provided in the lab to generate the appropriate packets.



4. I then filtered Wireshark by "http" and located the correct packets.



Lab Questions:

4.

- 1. OCSP, HTTP, UDP
- 2. < 1 second
- 3. 128.119.245.12, 10.0.2.15

```
Time
                                               Destination
                                                                       Protocol Length Info
   1155 89.101128
                        10.0.2.15
                                               128.119.245.12
                                                                                495
                                                                                      GET /wireshark-labs/
INTRO-wireshark-file1.html HTTP/1.1
Frame 1155: 495 bytes on wire (3960 bits), 495 bytes captured (3960 bits)
Ethernet II, Src: PcsCompu_94:18:b0 (08:00:27:94:18:b0), Dst: RealtekU_12:35:02 (52:54:00:12:35:02)
Internet Protocol Version 4, Src: 10.0.2.15, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 33924, Dst Port: 80, Seq: 1, Ack: 1, Len: 441
Hypertext Transfer Protocol
       Time
                        Source
                                               Destination
                                                                       Protocol Length Info
   1165 89.335383
                        128.119.245.12
                                               10.0.2.15
                                                                       HTTP
                                                                                135
                                                                                      HTTP/1.1 200 OK (text/
html)
Frame 1165: 135 bytes on wire (1080 bits), 135 bytes captured (1080 bits)
Ethernet II, Src: RealtekU_12:35:02 (52:54:00:12:35:02), Dst: PcsCompu_94:18:b0 (08:00:27:94:18:b0)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.0.2.15
Transmission Control Protocol, Src Port: 80, Dst Port: 33924, Seq: 302, Ack: 442, Len: 81
[2 Reassembled TCP Segments (382 bytes): #1163(301), #1165(81)]
Hypertext Transfer Protocol
Line-based text data: text/html (3 lines)
```