Lab 1: Introduction to Wireshark

University of Windsor
Department of Electrical and Computer Engineering
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Answers:

1. Wireshark displayed several protocols. The protocols that WireShark captured were following:
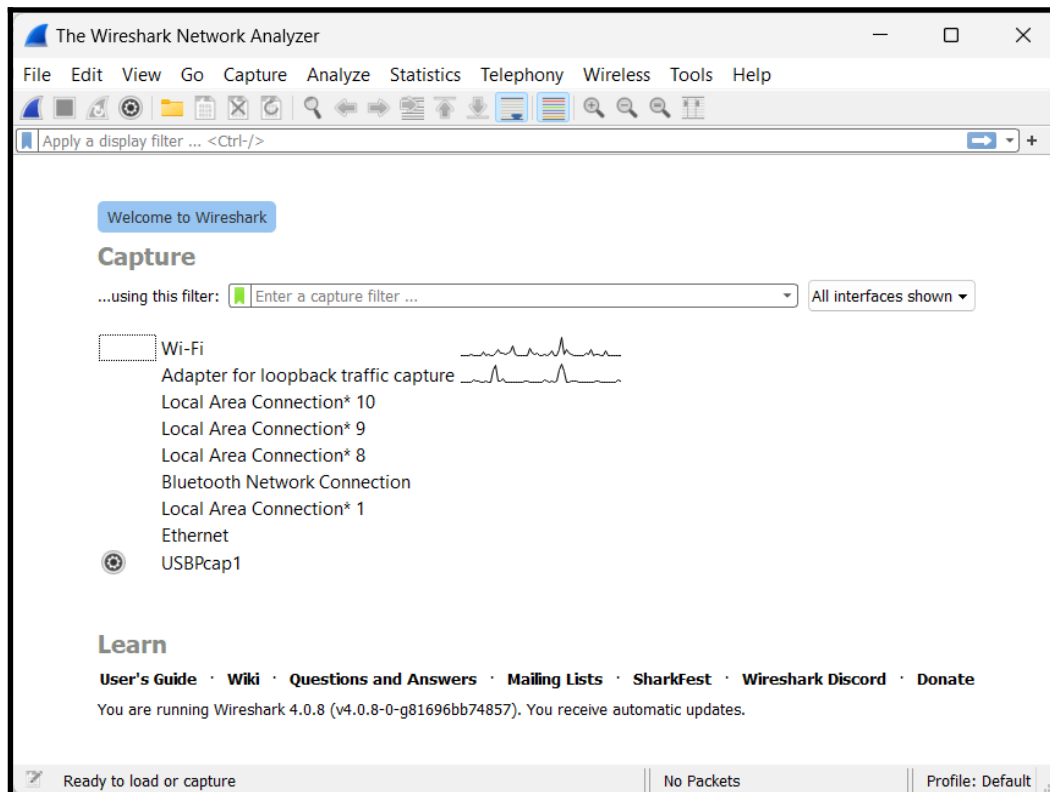- TCP
- TLSv1.2
- TLSv1.3
- ARP
- MDNS
- SSL
- DNS   Names like ARP, SSDP etc. are not in the list provided in the question.
- SSDP
- HTTP

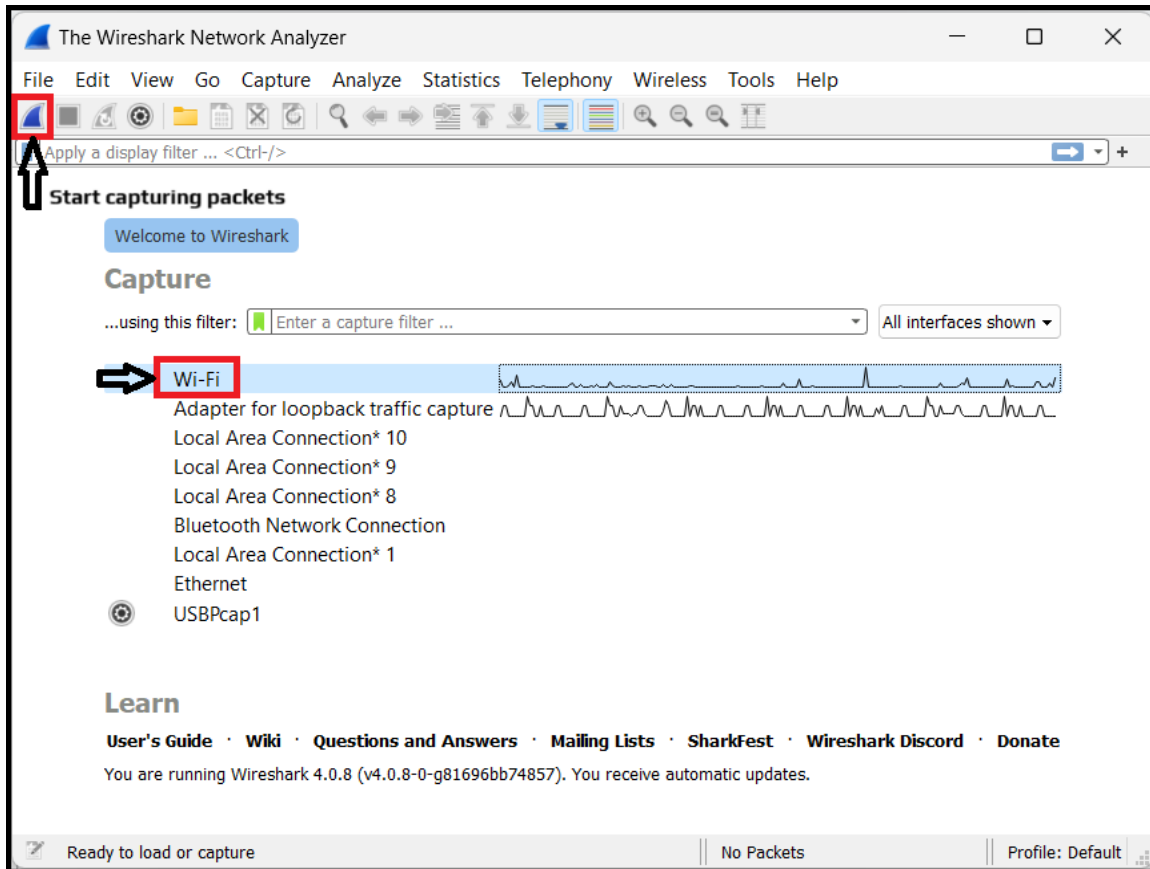Process: - 0.5
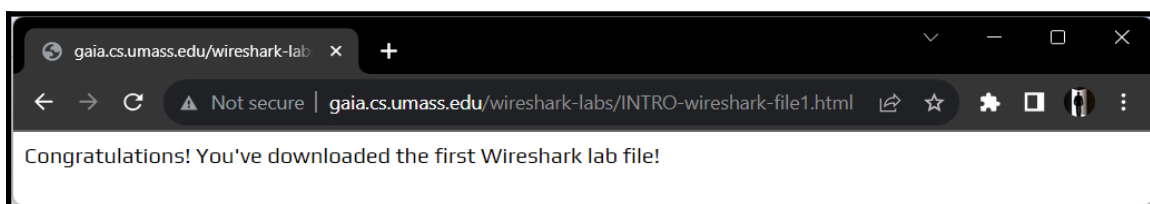Step 1 - Start Wireshark

Step 2 - Open Wireshark and Select the Capture Interface:

In Wireshark, click on the interface you want to capture packets from (e.g., Wi-Fi). Start the Capture:
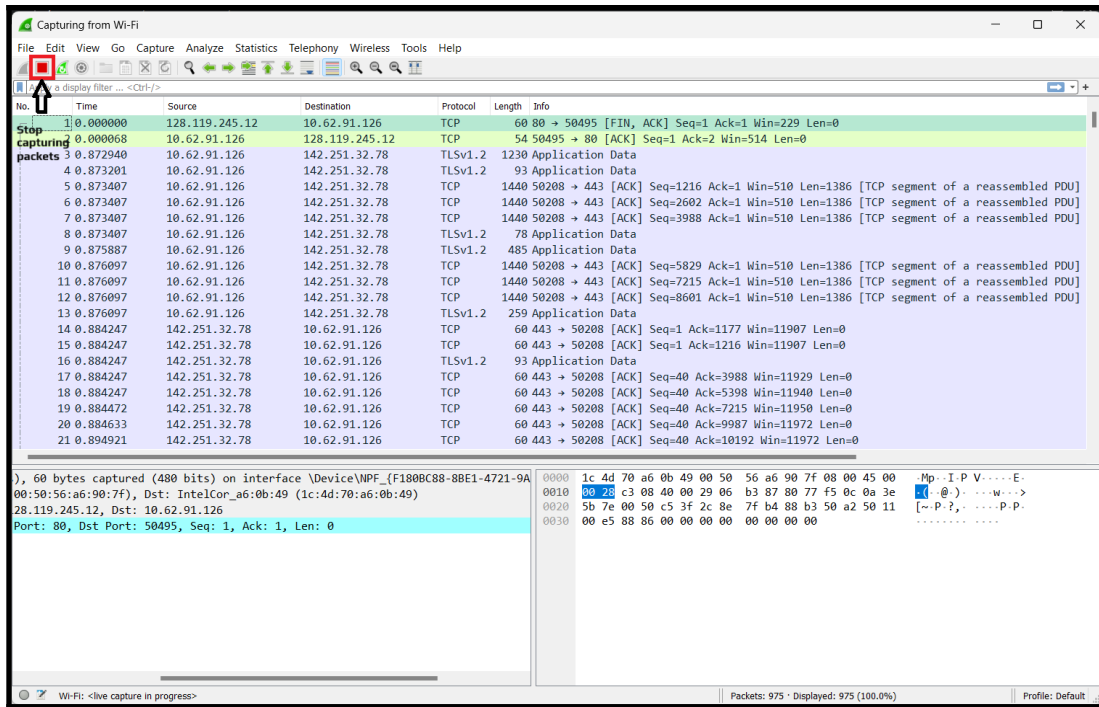

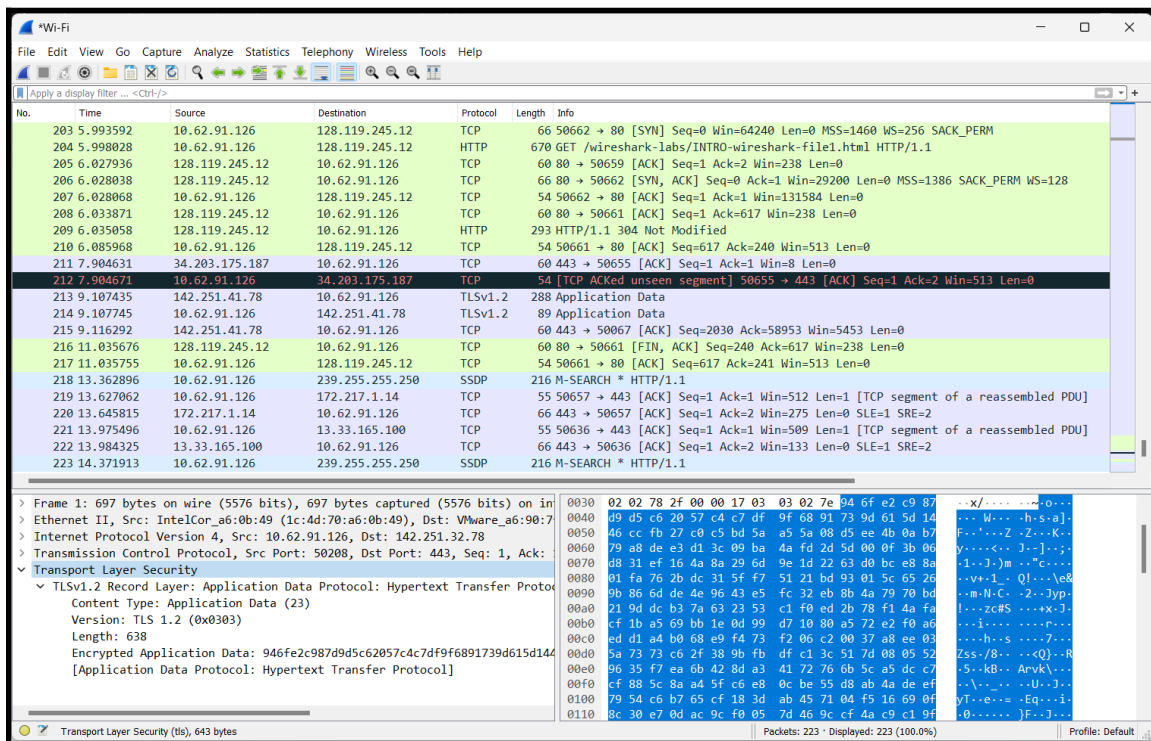Step 3 - Now, open web browser and access the given URL
"http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html"
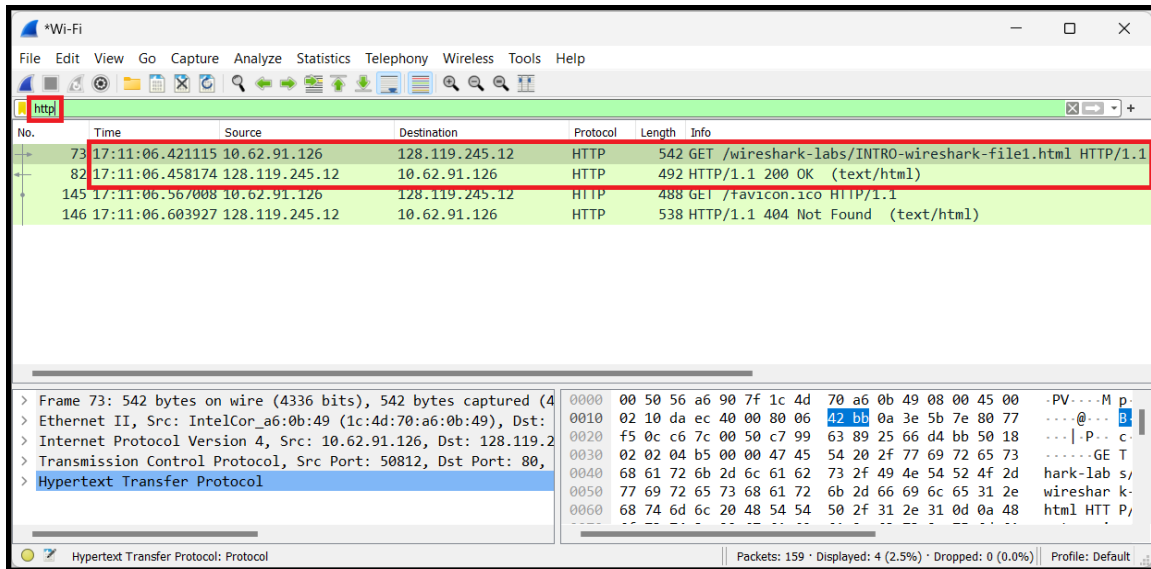

Step 4 - Return to Wireshark and stop the packet capture by clicking the "Stop" button.
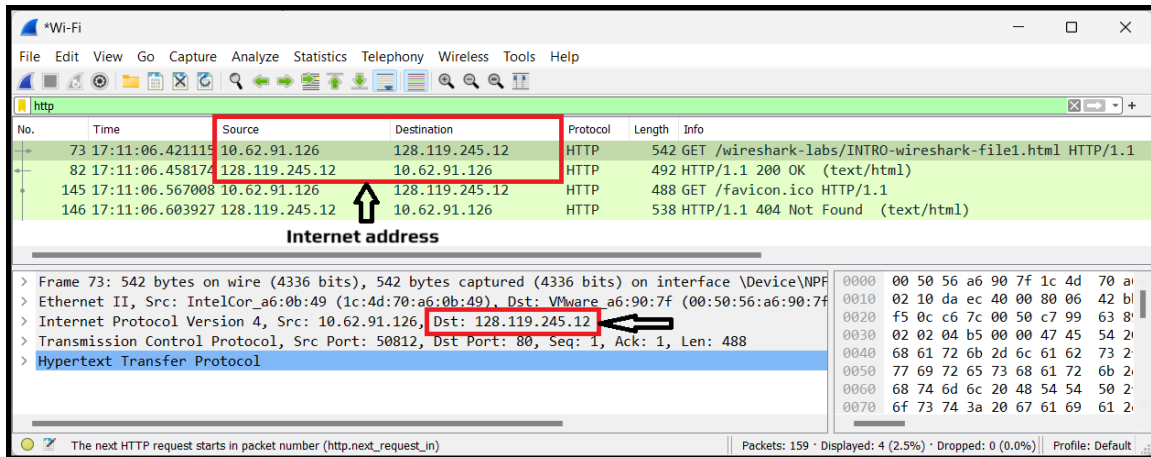
Step 5 - Look at the packets captured in Wireshark. Check the "Protocol" column in Wireshark to identify which protocols are present in the captured packets.
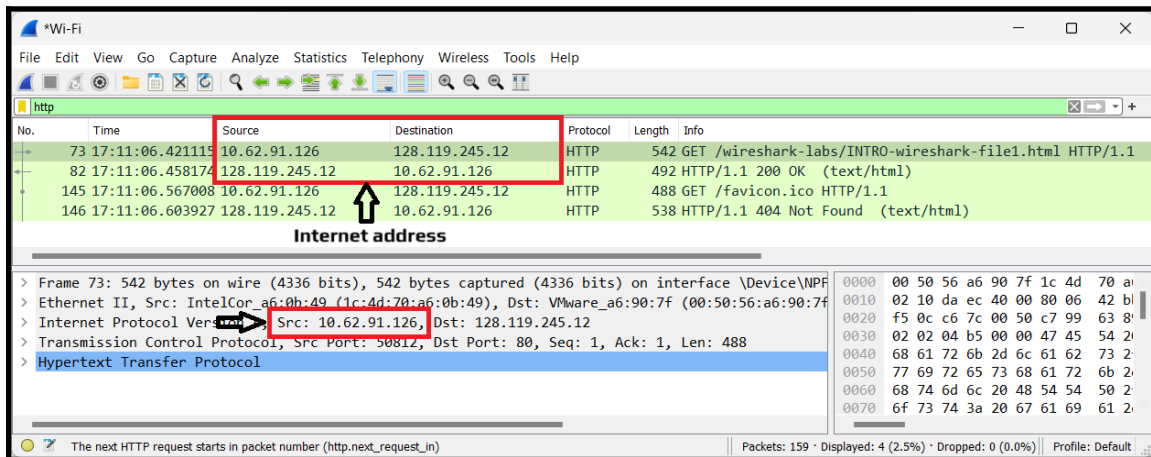

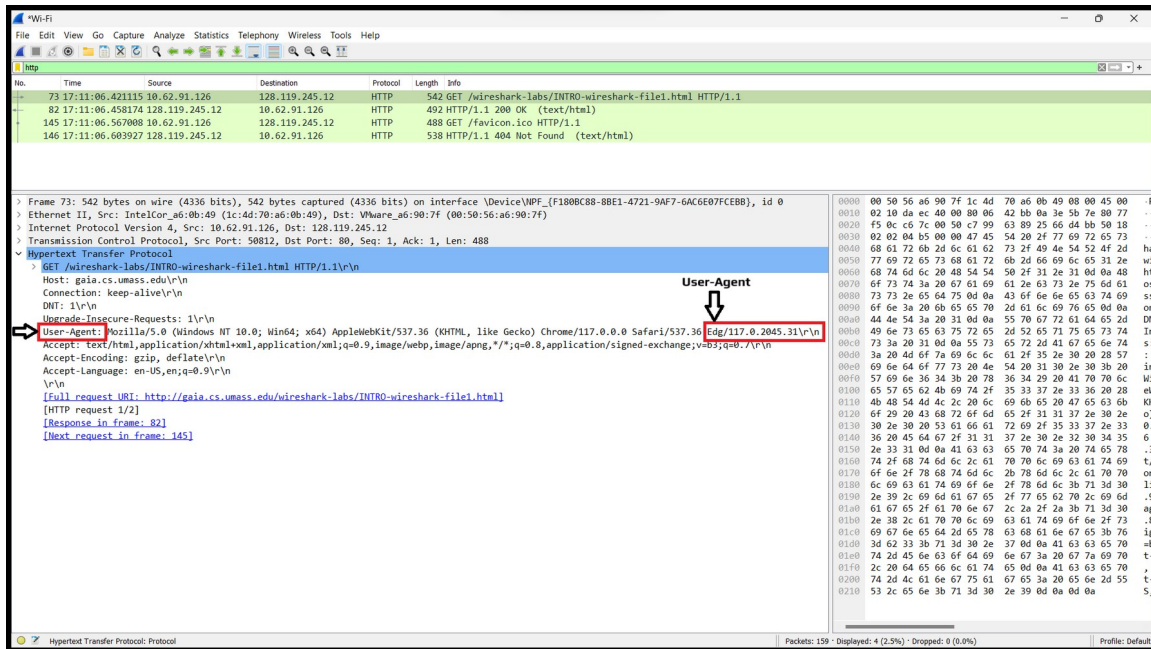2. The time difference between HTTP GET and HTTP OK is 0.37059 seconds.

3. The Internet address of the gaia.cs.umass.edu (also known as www-net.cs.umass.edu) is **128.119.245.12**

The Internet address of my computer (the computer that sent the HTTP GET message) is
10.62.91.126

4. I used edge browser and it is shown in wireshark by the User-Agent attribute

5. The destination port number is 80.