Q1. Which of the following protocols are shown as appearing (i.e., are listed in the Wireshark "protocol" column) in your trace file: TCP, QUIC, HTTP, DNS, UDP, TLSv1.2?

HTTP

Q2. How long did it take from when the HTTP GET message was sent until the HTTP OK reply was received? (By default, the value of the Time column in the packet-listing window is the amount of time, in seconds, since Wireshark tracing began. (If you want to display the Time field in time-of-day format, select the Wireshark View pull down menu, then select Time Display Format, then select Time-of-day.)

No.	Time	Source	Destination	Length	Protocol	Info
39	2023-09-22 14:05:14.358687	10.12.92.76	128.119.245.12	558	HTTP	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
41	2023-09-22 14:05:14.430055	128.119.245.12	10.12.92.76	492	HTTP	HTTP/1.1 200 OK (text/html)

Get was at 14.3586 and ok was at 14.4300 so it took about 0.714 seconds

Q3. What is the Internet address of the gaia.cs.umass.edu? What is the Internet address of your computer that sent the HTTP GET message?

Address of the source is 10.12.92.76

The address of my computer IS 128.119.245.12

Q4. Expand the information on the HTTP message in the Wireshark "Details of selected packet" window so you can see the fields in the HTTP GET request message. What type of Web browser issued the HTTP request? The answer is shown at the right end of the information following the "User-Agent:" field in the expanded HTTP message display. [This field value in the HTTP message is how a web server learns what type of browser you are using.]
• Example: Firefox, Safari, Microsoft Internet Edge, Other

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/115.0.0.0 Safari/537.36\r\n

It was safari.

Q5. Expand the information on the Transmission Control Protocol for this packet in the Wireshark "Details of selected packet" window so you can see the fields in the TCP segment carrying the HTTP message. What is the destination port number (the number following "Dest Port:" for the TCP segment containing the HTTP request) to which this HTTP request is being sent?

Destination Port: 80

Q6. If you enter the URL: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html multiple times during Wireshark packet capture, are there any difference in the sent HTTP message and the received HTTP reply?

There is no difference if you run it in the same same browser (safari) but when I paste

the link in chrome would say Not modified 304 instead OK 200.