Derya Tınmaz - 2380947

Wireshark Lab: HTTP

1- HTTP 1.1

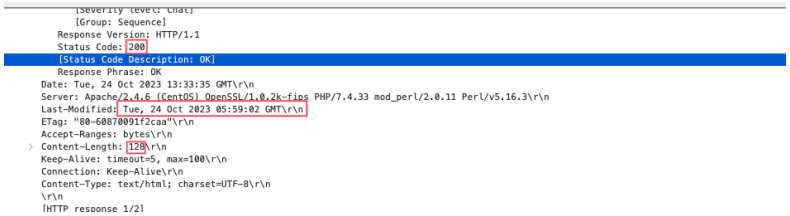
2- en-US , en, and tr

3- Source Address: 10.22.77.113 (my computer),
Destination Address: 128.119.245.12 (the gaia.cs.umass.edu server)

4- 200

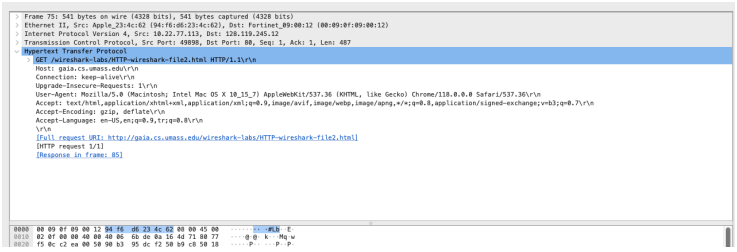
5- Tue, 24 Oct 2023 05:59:02 GMT

6- 128

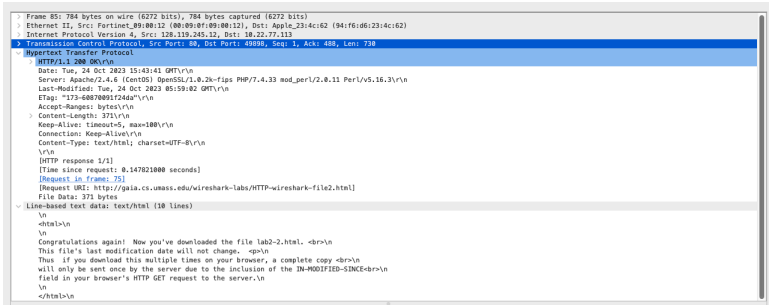


7- No, I do not see.

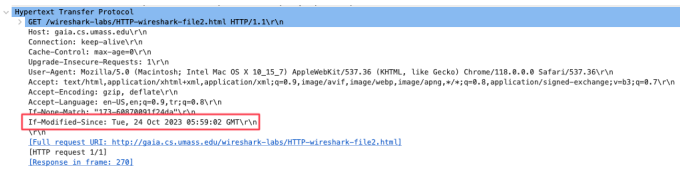
8- No, I do not see



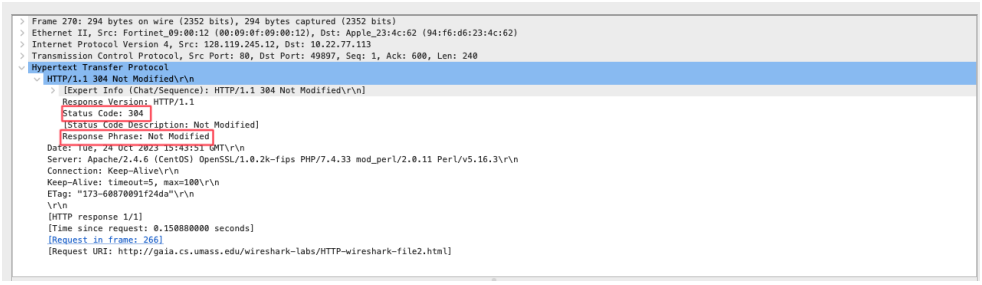
9- Yes, it did. Line-Based Text Data section is the same as what I saw on the browser.



10- Yes, it is included. The information is the date and time that I last modified the webpage. If-Modified-Since: Tue, 24 Oct 2023 05:59:02 GMT

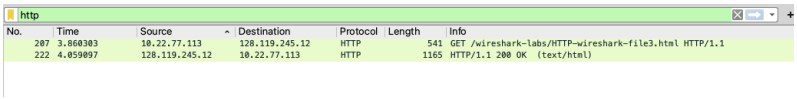


11- The HTTP status code is “304: Not Modified”. The server didn't provide the file's contents because the browser had stored a cached copy, and since the file hadn't changed since the last access, it instructed the browser to fetch the old cached version.

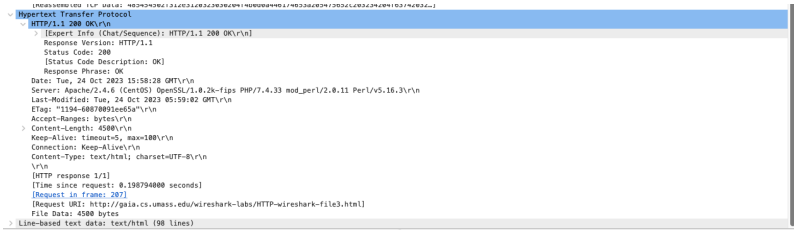


12- My browser sent 1 HTTP GET request to the server. The packet number was 207.

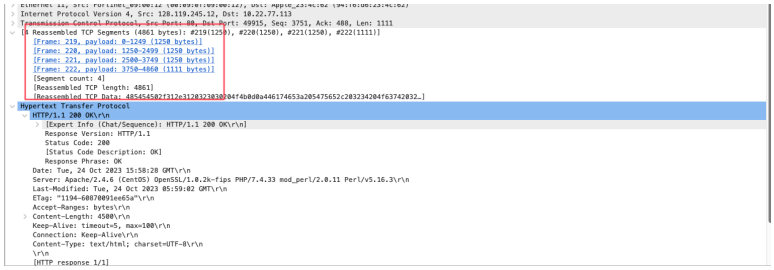
13- It was 222.



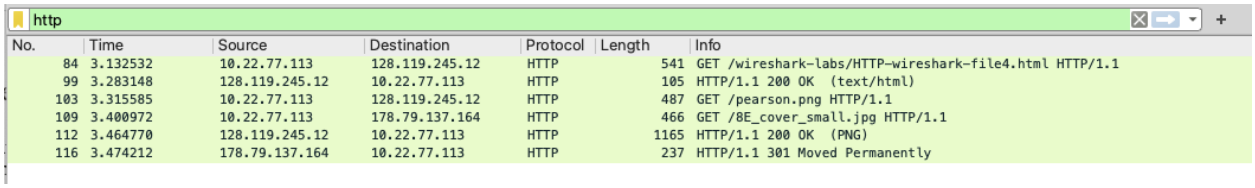
14- Status Code: 200
Response Phrase: OK



15- 4 TCP segments



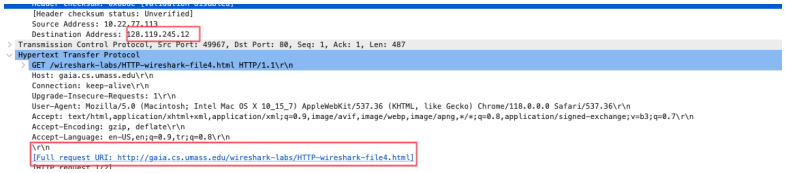
16- 3 http GET message requests



No.	Time	Source	Destination	Protocol	Length	Info
84	3.132532	10.22.77.113	128.119.245.12	HTTP	541	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1
99	3.283148	128.119.245.12	10.22.77.113	HTTP	105	HTTP/1.1 200 OK (text/html)
103	3.315585	10.22.77.113	128.119.245.12	HTTP	487	GET /pearson.png HTTP/1.1
109	3.400972	10.22.77.113	178.79.137.164	HTTP	466	GET /8E_cover_small.jpg HTTP/1.1
112	3.464770	128.119.245.12	10.22.77.113	HTTP	1165	HTTP/1.1 200 OK (PNG)
116	3.474212	178.79.137.164	10.22.77.113	HTTP	237	HTTP/1.1 301 Moved Permanently

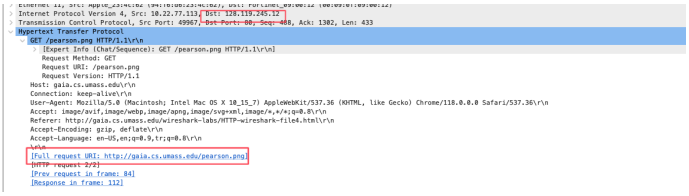
1- [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]

Destination Address: 128.119.245.12



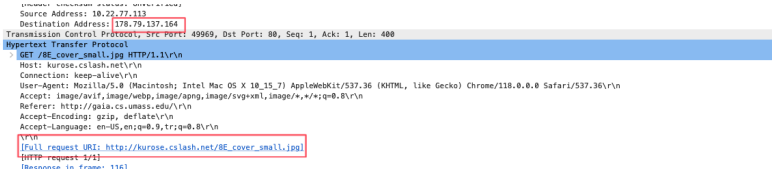
2- [Full request URI: http://gaia.cs.umass.edu/pearson.png]

Destination Address: 128.119.245.12



3- [Full request URI: http://kurose.cslash.net/8E_cover_small.jpg]

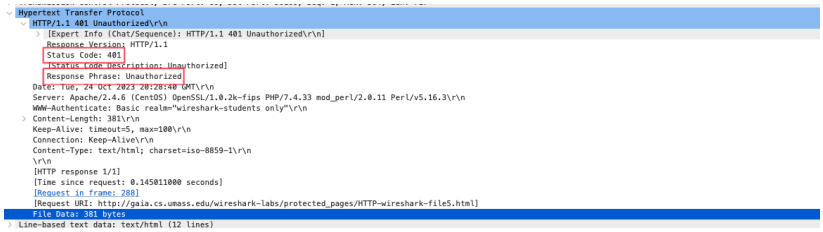
Destination Address: 178.79.137.164



17- The two image object file were downloaded in parallel. This is evidenced by the fact that two GET request messages (for the image objects) are made before either of the image objects are received.

18- Status Code: 401

Response Phrase: Unauthorized



19. Authorization field