1. Is your browser running HTTP version 1.0, 1, or 2? What version of HTTP is the server running? Both 1.1

2. What languages (if any) does your browser indicate that it can accept to the server? En-US

3. What is the IP address of your computer? 192.168.1.181   What is the IP address of the gaia.cs.umass.edu server? 119.245.12

4. What is the status code returned from the server to your browser? 200

5. When was the HTML file that you are retrieving last modified at the server?

Monday 13 2021

6. How many bytes of content are being returned to your browser? 128

7. By inspecting the raw data in the packet content window, do you see any headers within the data that are not displayed in the packet-listing window? If so, name one. None

8. Inspect the contents of the first HTTP GET request from your browser to the server. Do you see an "IF-MODIFIED-SINCE" line in the HTTP GET? No

9. Inspect the contents of the server response. Did the server explicitly return the contents of the file? How can you tell? Yes because its in the lined based text field

10. Now inspect the contents of the second HTTP GET request from your browser to the server. Do you see an "IF-MODIFIED-SINCE:" line in the HTTP GET[1]? If so, what information follows the "IF-MODIFIED-SINCE:" header?

If-modified-since: Mon, 13 Sep 2021

11.What is the HTTP status code and phrase returned from the server in response to this second HTTP GET? Did the server explicitly return the contents of the file?

The status code is not modified. Since the cache was cleared the server did not return the contents of the file

12.How many HTTP GET request messages did your browser send? Which packet number in the trace contains the GET message for the Bill or Rights?

My browser sent 1 HTTP Get request message. That was packet number 135

13.Which packet number in the trace contains the status code and phrase associated with the response to the HTTP GET request?

Packet 153 contained the status code and phrase

14. What is the status code and phrase in the response?

200 and ok

15. How many data-containing TCP segments were needed to carry the single HTTP response and the text of the Bill of Rights?

3 were needed to carry the single http and text of the bill of rights

16.How many HTTP GET request messages did your browser send? To which Internet addresses were these GET requests sent?

There are 3 get messages

128.119.245.12 website

128.119.245.12 png

178.79.137.164 png

17. Can you tell whether your browser downloaded the two images serially, or whether they were downloaded from the two web sites in parallel?

I think they were downloaded serially because the images were requested one after the other.

18. What is the server's response (status code and phrase) in response to the initial HTTP GET message from your browser?

Status code = 401

Phrase = unauthorized

19. When your browser's sends the HTTP GET message for the second time, what new field is included in the HTTP GET message?

It now includes the authorization Basic field