

# Computer Networks Lab Task – 8

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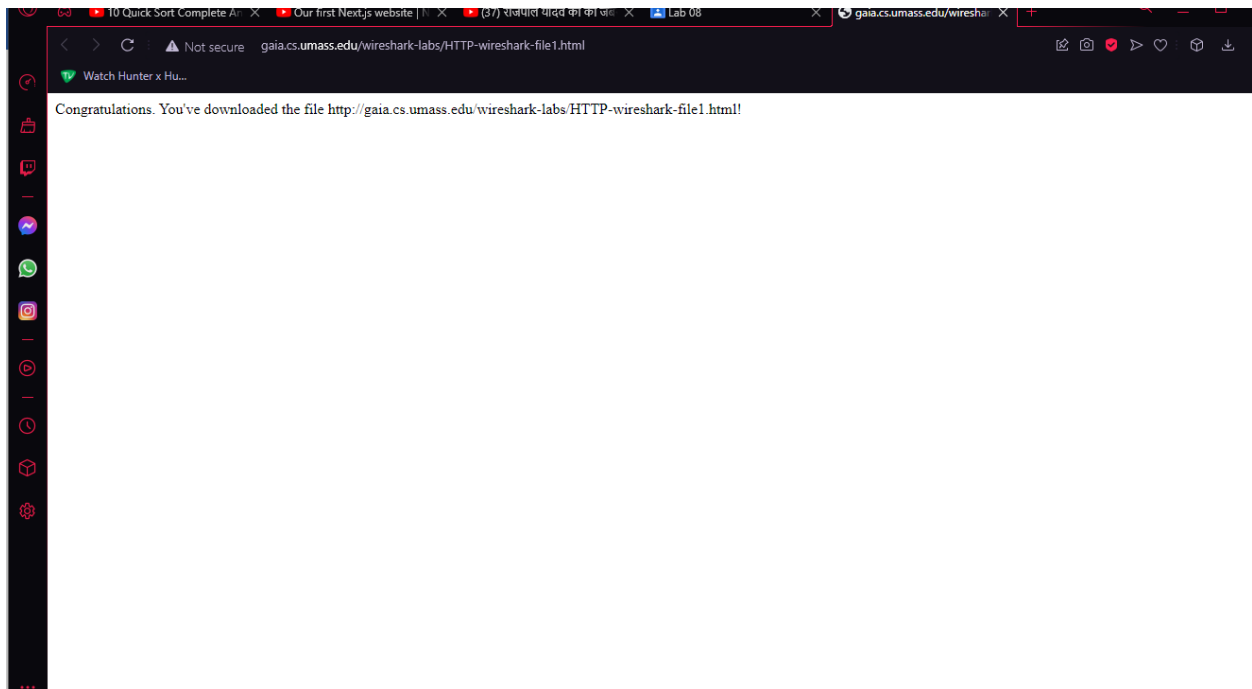
Section: B

## Task: HTTP analysis using Wireshark by looking at the information in the HTTP GET and response messages, answer the following questions

First we open Wireshark then we go on the using the filter option and write down http so we can filter out the http protocols and then we Start up the Wireshark packet sniffer. From our browser only http protocols and then we open the following link

<http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html>

Then we will get this output



And when we open our Wireshark we will get these two get and response between the server and our pc we get a 200 OK

http						
No.	Time	Source	Destination	Protocol	Length	Info
249	7.429097	172.17.2.84	128.119.245.12	HTTP	543	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
258	7.732209	128.119.245.12	172.17.2.84	HTTP	540	HTTP/1.1 200 OK (text/html)

[Group: Sequence]	0000	cc 2d e0 1e 0c 99 e0 94	67 f4 58 9e 08 00 45 00	.....gX...E..
Request Method: GET	0010	02 11 3b 89 40 00 40 06	d9 74 ac 11 02 54 80 77	...;@...t...T-w
Request URI: /wireshark-labs/HTTP-wireshark-file1.html	0020	f5 0c ca 74 00 50 5b cf	1b e2 07 5d f4 6d 50 18	...t-P[...]-mP-
Request Version: HTTP/1.1	0030	02 01 f8 60 00 00 47 45	54 20 2f 77 69 72 65 73	...T...GE T /wires
Host: gaia.cs.umass.edu\r\n	0040	68 61 72 6b 2d 6c 61 62	73 2f 48 54 54 50 2d 77	hark-lab s/HTTP-w
Connection: keep-alive\r\n	0050	69 72 65 73 68 61 72 6b	2d 66 69 6c 65 31 2e 68	ireshark -file1.h
Upgrade-Insecure-Requests: 1\r\n	0060	74 6d 6c 20 48 54 54 50	2f 31 2e 31 0d 0a 48 6f	tml HTTP /1.1-Ho
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/88.0.4399.24 Safari/537.36	0070	73 74 3a 20 67 61 69 61	2e 63 73 2e 75 6d 61 73	st: gaia .cs.umas
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8	0080	73 2e 65 64 75 0d 0a 43	6f 6e 6e 65 63 74 69 6f	s.edu...C connectio
Accept-Encoding: gzip, deflate\r\n	0090	6e 3a 20 6b 65 65 70 2d	61 6c 69 76 65 0d 0a 55	n: keep-alive-U
Accept-Language: en-US,en;q=0.9\r\n	00a0	70 67 72 61 64 65 2d 49	6e 73 65 63 75 72 65 2d	pgrade-I nsecure-

## Answer the Following Questions:

Q1: Is your browser running HTTP version 1.0, 1.1, or 2?

```
Hypertext Transfer Protocol
  HTTP/1.1 200 OK\r\n
```

Q2: What version of HTTP is the server running?

```
[Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
  [HTTP/1.1 200 OK\r\n]
  [Severity level: Chat]
  [Group: Sequence]
  Response Version: HTTP/1.1
  Status Code: 200
```

Q3: What languages (if any) does your browser indicate that it can accept to the server?

```
Connection: keep-alive\r\n
Upgrade-Insecure-Requests: 1\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/104.0.0.0 Safari/537.36\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9\r\n
\r\n
```

Q4: What is the IP address of your computer? What is the IP address of the Gaia.cs.umass.edu server?

```
> Internet Protocol Version 4, Src: 172.17.2.84, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 50232, Dst Port: 80, Seq: 1, Ack: 1, Len: 0
> Hypertext Transfer Protocol
```

Q5: What is the status code returned from the server to your browser?

```
Response Version: HTTP/1.1
Status Code: 200
[Status Code Description: OK]
Response Phrase: OK
```

Q6: When was the HTML file that you are retrieving last modified at the server?

```
Date: Tue, 18 Oct 2022 09:56:49 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.30 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Tue, 18 Oct 2022 05:59:01 GMT\r\n
ETag: "173-5eb48c9f49aa2"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 371\r\n
```

Q7: How many bytes of content are being returned to your browser?

```
Content-Length: 128\r\n
[Content length: 128]
Keep-Alive: timeout=5, max=100\r\n
Connection: Keep-Alive\r\n
Content-Type: text/html; charset=UTF-8\r\n
```

Q8: 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

```
Line-based text data: text/html (4 lines)
<html>\n
Congratulations. You've downloaded the file \n
http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html!\n
</html>\n
```

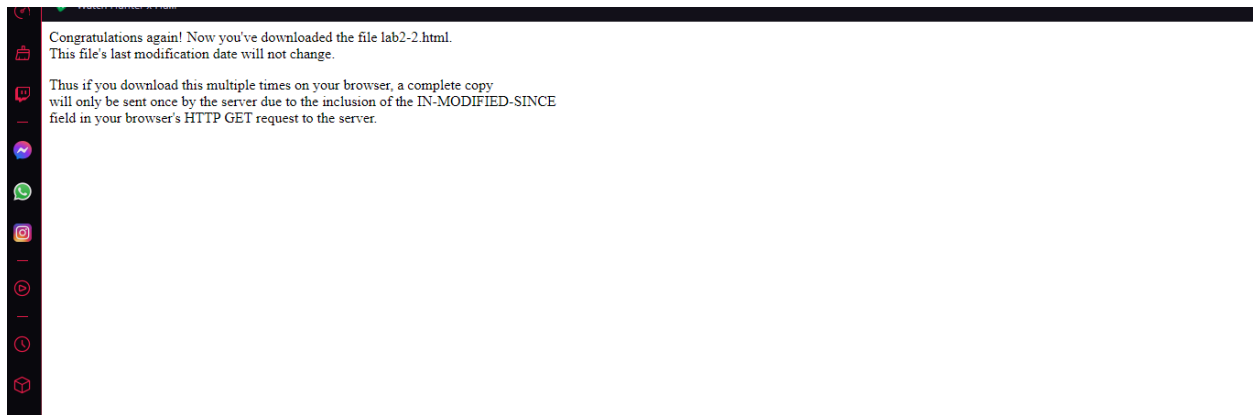
No, I do not see any headers in the http since they were missing.

## Task: The HTTP CONDITIONAL GET/response interaction

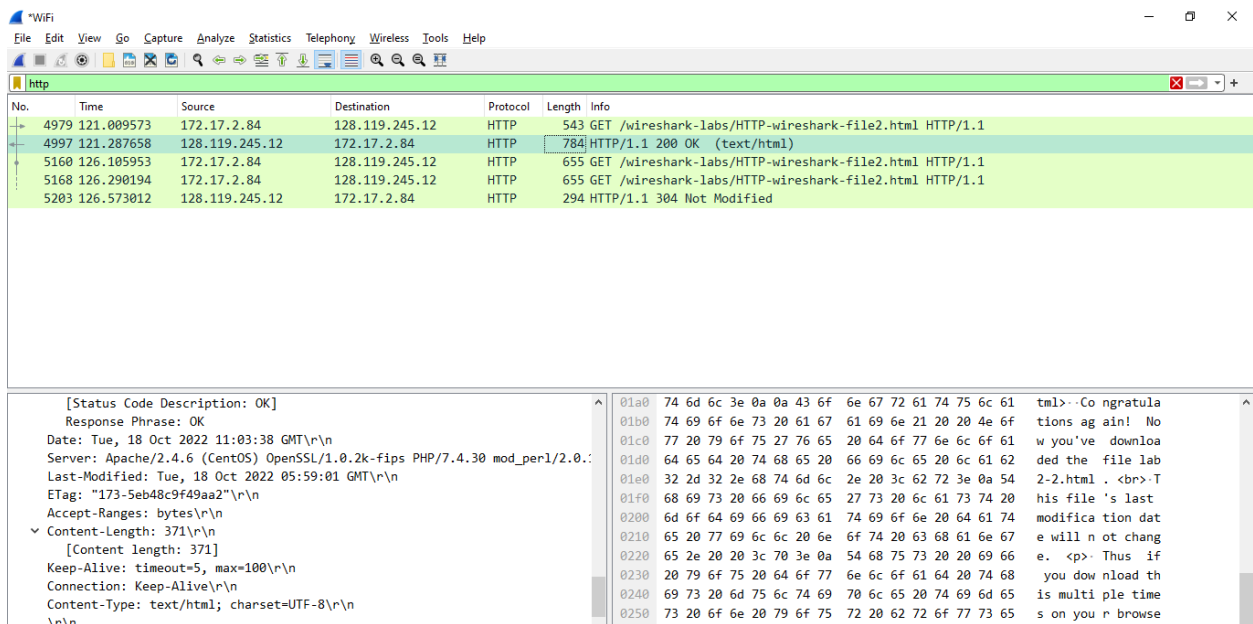
First we open Wireshark then we go on the using the filter option and write down http so we can filter out the http protocols and then we Start up the Wireshark packet sniffer. From our browser only http protocols and then we open the following link

Enter the following URL into your browser: <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html>

Then we will get this output



In the first get response we get 200 ok but then when we refresh our page and try again we get a 304 not modified



## Answer the following questions:

Q1: 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 there is no IF-MODIFIED-SINCE line in the GET message.

The image shows a Wireshark packet capture window. The top pane displays a list of captured packets. The second pane shows the details of the selected packet (No. 189), which is an HTTP GET request. The third pane shows the raw packet data in hexadecimal and ASCII.

No.	Time	Source	Destination	Protocol	Length	Info
174	4.223664	172.17.2.84	128.119.245.12	HTTP	543	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
189	4.485725	128.119.245.12	172.17.2.84	HTTP	784	HTTP/1.1 200 OK (text/html)
3693	106.061347	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
3704	106.356187	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4055	118.858736	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4062	119.126494	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4341	128.385719	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4363	128.651258	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4472	132.153309	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4479	132.417033	128.119.245.12	172.17.2.84	HTTP	293	HTTP/1.1 304 Not Modified

Details of packet 189 (GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1):

- Request Method: GET
- Request URI: /wireshark-labs/HTTP-wireshark-file2.html
- Request Version: HTTP/1.1
- Host: gaia.cs.umass.edu
- Connection: keep-alive
- Upgrade-Insecure-Requests: 1
- User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
- Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng
- Accept-Encoding: gzip, deflate
- Accept-Language: en-US,en;q=0.9

Raw packet data (hex):

```
0000 cc 2d e0 1e 0c 99 e0 94 67 f4 58 9e 08 00 45 00
0010 02 11 3c 1e 40 00 40 06 d8 df ac 11 02 54 80 77
0020 f5 0c cd 17 00 50 11 92 86 1d 0f e4 7b 7b 50 18
0030 02 01 46 2a 00 00 47 45 54 20 2f 77 69 72 65 73
0040 68 61 72 6b 2d 6c 61 62 73 2f 48 54 54 50 2d 77
0050 69 72 65 73 68 61 72 6b 2d 66 69 6c 65 32 2e 68
0060 74 6d 6c 20 48 54 54 50 2f 31 2e 31 0d 0a 48 6f
0070 73 74 3a 20 67 61 69 61 2e 63 73 2e 75 6d 61 73
0080 73 2e 65 64 75 0d 0a 43 6f 6e 6e 65 63 74 69 6f
0090 6e 3a 20 6b 65 65 70 2d 61 6c 69 76 65 0d 0a 55
00a0 70 67 72 61 64 65 2d 49 6e 73 65 63 75 72 65 2d
00b0 52 65 71 75 65 73 74 73 3a 20 31 0d 0a 55 73 65
00c0 72 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 6c 6c 61
00d0 2f 35 2e 30 20 28 57 69 6e 64 6f 77 73 20 4e 54
00e0 20 31 30 2e 30 3b 20 57 69 6e 36 34 3b 20 78 36
00f0 34 29 20 41 70 70 6c 65 57 65 62 4b 69 74 2f 35
0100 33 37 2e 33 36 20 28 4b 48 54 4d 4c 2c 20 6c 69
0110 6b 65 20 47 65 63 6b 6f 29 20 43 68 72 6f 6d 65
0120 2f 31 30 35 2e 30 2e 30 2e 30 20 53 61 66 61 72
```

Q2: Inspect the contents of the server response. Did the server explicitly return the contents of the File? How can you tell?

174	4.223664	172.17.2.84	128.119.245.12	HTTP	543 GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
189	4.485725	128.119.245.12	172.17.2.84	HTTP	784 HTTP/1.1 200 OK (text/html)
3693	186.061347	172.17.2.84	128.119.245.12	HTTP	655 GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
3704	186.356187	128.119.245.12	172.17.2.84	HTTP	294 HTTP/1.1 304 Not Modified
4055	118.858736	172.17.2.84	128.119.245.12	HTTP	655 GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4062	119.126494	128.119.245.12	172.17.2.84	HTTP	294 HTTP/1.1 304 Not Modified
4341	128.385719	172.17.2.84	128.119.245.12	HTTP	655 GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4363	128.651258	128.119.245.12	172.17.2.84	HTTP	294 HTTP/1.1 304 Not Modified
4472	132.153309	172.17.2.84	128.119.245.12	HTTP	655 GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4479	132.417033	128.119.245.12	172.17.2.84	HTTP	293 HTTP/1.1 304 Not Modified

[HTTP response 1/1]  
[Time since request: 0.262061000 seconds]  
[\[Request in frame: 174\]](#)  
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]  
File Data: 371 bytes  

Line-based text data: text/html (10 lines)

```

\n
<html>\n
\n
Congratulations again! Now you've downloaded the file lab2-2.html. <br>\n
This file's last modification date will not change. <p>\n
Thus if you download this multiple times on your browser, a complete copy
will only be sent once by the server due to the inclusion of the IN-MODIFIED
field in your browser's HTTP GET request to the server.\n
\n

```

```

0000 e0 94 67 f4 58 9e cc 2d e0 1e 0c 99 08 00 45 00  ..g.X...
0010 03 02 66 cb 40 00 29 06 c4 41 80 77 f5 0c ac 11  ..f:@.)..A.
0020 02 54 00 50 cd 17 0f e4 7b 7b 11 92 88 06 50 18  .T.P....{{.
0030 00 ed 08 6e 00 00 48 54 54 50 2f 31 2e 31 20 32  ...n..HT TP/
0040 30 30 20 4f 4b 0d 0a 44 61 74 65 3a 20 54 75 65  00 OK..D ate
0050 2c 20 31 38 20 4f 63 74 20 32 30 32 32 20 31 31  , 18 Oct 20
0060 3a 30 39 3a 34 37 20 47 4d 54 0d 0a 53 65 72 76  :09:47 G MT.
0070 65 72 3a 20 41 70 61 63 68 65 2f 32 2e 34 2e 36  er: Apac he/
0080 20 28 43 65 6e 74 4f 53 29 20 4f 70 65 6e 53 53  (CentOS ) 0
0090 4c 2f 31 2e 30 2e 32 6b 2d 66 69 70 73 20 50 48  L/1.0.2k -fi
00a0 50 2f 37 2e 34 2e 33 30 20 6d 6f 64 5f 70 65 72  P/7.4.30 mo
00b0 6c 2f 32 2e 30 2e 31 31 20 50 65 72 6c 2f 76 35  1/2.0.11 Pe
00c0 2e 31 36 2e 33 0d 0a 4c 61 73 74 2d 4d 6f 64 69  .16.3..L ast
00d0 66 69 65 64 3a 20 54 75 65 2c 20 31 38 20 4f 63  fied: Tu e,
00e0 74 20 32 30 32 32 20 30 35 3a 35 39 3a 30 31 20  t 2022 0 5:5

```



Q3: 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 GET6? If so, what information follows the “IF-MODIFIED-SINCE:” header?

The image shows a Wireshark packet capture of an HTTP GET request. The packet list pane at the top shows a list of packets, with packet 4055 selected. The packet details pane shows the structure of the selected packet, and the packet bytes pane shows the raw data.

**Packet List:**

No.	Time	Source	Destination	Protocol	Length	Info
174	4.223664	172.17.2.84	128.119.245.12	HTTP	543	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
189	4.485725	128.119.245.12	172.17.2.84	HTTP	784	HTTP/1.1 200 OK (text/html)
3693	106.061347	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
3704	106.356187	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4055	118.858736	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4062	119.126494	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4341	128.385719	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4363	128.651258	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4472	132.153309	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4479	132.417033	128.119.245.12	172.17.2.84	HTTP	293	HTTP/1.1 304 Not Modified

**Packet Details:**

- Hypertext Transfer Protocol
  - GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
    - [Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]
    - [GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]
    - [Severity level: Chat]
    - [Group: Sequence]
    - Request Method: GET
    - Request URI: /wireshark-labs/HTTP-wireshark-file2.html
    - Request Version: HTTP/1.1
    - Host: gaia.cs.umass.edu\r\n
    - Connection: keep-alive\r\n
    - Cache-Control: max-age=0\r\n
    - Upgrade-Insecure-Requests: 1\r\n
    - User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
    - Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng
    - Accept-Encoding: gzip, deflate\r\n
    - Accept-Language: en-US,en;q=0.9\r\n
    - If-None-Match: "173-5eb48c9f49aa2"\r\n
    - If-Modified-Since: Tue, 18 Oct 2022 05:59:01 GMT\r\n**
    - \r\n

**Packet Bytes:**

0000 cc 2d e0 1e 0c 99 e0 94 67 f4 58 9e 08 00 45 00 .....  
0010 02 81 3c 3a 40 00 40 06 d8 53 ac 11 02 54 80 77 ...: @ .  
0020 f5 0c cd 4c 00 50 6d 04 19 72 8e 56 eb c2 50 18 ...L.Pm.  
0030 02 01 0f a3 00 00 47 45 54 20 2f 77 69 72 65 73 .....GE  
0040 68 61 72 6b 2d 6c 61 62 73 2f 48 54 54 50 2d 77 hark-lab  
0050 69 72 65 73 68 61 72 6b 2d 66 69 6c 65 32 2e 68 iredshark  
0060 74 6d 6c 20 48 54 54 50 2f 31 2e 31 0d 0a 48 6f tml HTTP  
0070 73 74 3a 20 67 61 69 61 2e 63 73 2e 75 6d 61 73 st: gaia  
0080 73 2e 65 64 75 0d 0a 43 6f 6e 6e 65 63 74 69 6f s.edu.C  
0090 6e 3a 20 6b 65 65 70 2d 61 6c 69 76 65 0d 0a 43 n: keep-  
00a0 61 63 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 6d 61 ache-Con  
00b0 78 2d 61 67 65 3d 30 0d 0a 55 70 67 72 61 64 65 x-age=0  
00c0 2d 49 6e 73 65 63 75 72 65 2d 52 65 71 75 65 73 -Insecur  
00d0 74 73 3a 20 31 0d 0a 55 73 65 72 2d 41 67 65 6e ts: 1..U  
00e0 74 3a 20 4d 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 t: Mozil  
00f0 57 69 6e 64 6f 77 73 20 4e 54 20 31 30 2e 30 3b Windows  
0100 20 57 69 6e 36 34 3b 20 78 36 34 29 20 41 70 70 Win64;  
0110 6c 65 57 65 62 4b 69 74 2f 35 33 37 2e 33 36 20 leWebKit  
0120 28 4b 48 54 4d 4c 2c 20 6c 69 6b 65 20 47 65 63 (KHTML.

The HTTP status code is “304: Not Modified”

Q4: 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? Explain.

The screenshot displays the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, and Help. Below the menu is a toolbar with various icons for packet capture and analysis. The main packet list pane shows a table of captured packets with columns for No., Time, Source, Destination, Protocol, Length, and Info. Packet 3693 is selected, which is an HTTP 304 Not Modified response from 128.119.245.12 to 172.17.2.84. The details pane on the right shows the expanded view of this packet, including the Hypertext Transfer Protocol section with fields like Response Version, Status Code, and various headers. The packet bytes pane at the bottom shows the raw data in hexadecimal and ASCII.

No.	Time	Source	Destination	Protocol	Length	Info
174	4.223664	172.17.2.84	128.119.245.12	HTTP	543	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
189	4.485725	128.119.245.12	172.17.2.84	HTTP	784	HTTP/1.1 200 OK (text/html)
3693	106.061347	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
3704	106.356187	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4055	118.858736	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4062	119.126494	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4341	128.385719	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4363	128.615258	128.119.245.12	172.17.2.84	HTTP	294	HTTP/1.1 304 Not Modified
4472	132.153309	172.17.2.84	128.119.245.12	HTTP	655	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
4479	132.417033	128.119.245.12	172.17.2.84	HTTP	293	HTTP/1.1 304 Not Modified

**Hypertext Transfer Protocol**

- HTTP/1.1 304 Not Modified**
  - [Expert Info (Chat/Sequence): HTTP/1.1 304 Not Modified]
    - [HTTP/1.1 304 Not Modified]
    - [Severity level: Chat]
    - [Group: Sequence]
  - Response Version: HTTP/1.1
  - Status Code: 304
  - Status Code Description: Not Modified
  - Response Phrase: Not Modified
  - Date: Tue, 18 Oct 2022 11:11:29 GMT
  - Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.30 mod\_perl/2.0.11 Perl/v5.16.3
  - Connection: Keep-Alive
  - Keep-Alive: timeout=5, max=100
  - ETag: "173-5eb48c9f49aa2"
  - [HTTP response 1/1]
  - [Time since request: 0.294840000 seconds]
  - [Request in frame: 3693]

**Packet Bytes**

```

0000 e0 94 67 f4 58 9e cc 2d e0 1e 0c 99 08 00 45 00  X...
0010 01 18 25 8b 40 00 2b 06 05 6c 80 77 f5 0c ac 11  %.@+-...
0020 02 54 00 50 cd 4b 58 f7 8e 00 ef 48 d4 65 50 18  .T.P.KX...
0030 00 ee 2d cc 00 00 48 54 54 50 2f 31 2e 31 20 33  ....HT TP/
0040 30 34 20 4e 6f 74 20 4d 6f 64 69 66 69 65 64 0d 04 Not M odified
0050 0a 44 61 74 65 3a 20 54 75 65 2c 20 31 38 20 4f  .Date: Tue,
0060 63 20 32 30 32 30 32 20 31 31 3a 31 31 3a 32 39  ct 2022 11:
0070 20 47 4d 54 00 0a 53 65 72 76 65 72 3a 20 41 7f  GMT-Se rver
0080 61 63 68 65 2f 32 2e 34 2e 36 20 28 43 65 6e 74  ache/2.4 .6
0090 4f 53 29 20 4f 70 65 6e 53 53 4c 2f 31 2e 30 2e  OS) Open SSL
00a0 32 6b 2d 66 69 70 73 20 50 48 50 2f 37 2e 3a 2e  2k-fips PHP
00b0 33 30 20 6d 6f 64 5f 70 65 72 6f 32 2e 30 2e 30  mod_p erl
00c0 31 31 20 50 65 72 6c 2f 76 35 2e 31 36 2e 33 0d 11 Perl/ v5.
00d0 0a 43 6f 6e 65 63 74 69 6f 6e 3a 20 4b 65 65  .Connect ion
00e0 70 2d 41 6c 69 76 65 0d 0a 4b 65 65 70 2d 41 6c p-Alive-Ke
00f0 69 76 65 3a 20 74 69 6d 65 6f 75 74 3d 35 2c 20 ive: tim eou
0100 6d 61 78 3d 31 30 30 0d 0a 45 54 61 67 3a 20 22 max=100- ET
0110 31 37 33 2d 35 65 62 34 38 63 39 66 34 39 61 61 173-5eb4 8c9f
0120 32 22 0d 0a 0d 0a
  
```

The server did not return the contents of the file because the browser simply retrieved the contents from its cache. Had the file been modified since it was last accessed, it would have returned the contents of the file, instead it simply told my browser to retrieve the old file from its cached memory.