LAB 2

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

Answer: My browser is running HTTP version 1.1 and the server is running HTTP 1.1.

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

Answer: en-us

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

Answer: My IP = 192.168.1.11; Server IP = 128.119.245.12

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

Answer: 200 OK

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

Answer: Wed, 19 Oct 2016 05:59:01 GMT

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

Answer: 128 bytes

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.

Answer: No I do not

Screenshots for section 1:

No	0.	Time	Source	Destination	Protocol	Length	Info
ŀ	2	6 19:14:16.693859	192.168.1.11	128.119.245.12	HTTP	546	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
Н	3	5 19:14:16.762892	128.119.245.12	192.168.1.11	HTTP	554	HTTP/1.1 200 OK (text/html)

3

▶ Frame 26: 546 bytes on wire (4368 bits), 546 bytes captured (4368 bits) on interface 0 ▶ Ethernet II, Src: Apple_b9:c1:e7 (a4:5e:68:b9:c1:e7), Dst: Netgear_29:98:66 (c4:84:15:29:98:66)
▶ Internet Protocol Version 4, Src: 192.168.1.11, Dst: 128.119.245.12 Transmission Control Protocol, Src Port: 49508, Dst Port: 80, Seq: 1, Ack: 1, Len: 480 Hypertext Transfer Protocol ► GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n 1 Host: gaia.cs.umass.edu\r\n If-None-Match: "80-53f1d63a6f671"\r\n Upgrade-Insecure-Requests: 1\r\n Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\m

If-Modified-Since: Tue, 18 Oct 2016 05:59:02 GMT\r\n User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 18_12) AppleWebKit/602.1.50 (KMTML, like Gecko) Version/10.0 Safari/602.1.50\r\n Accept-Language: en-us\r\n

2 Accept-Encoding: gzip, deflate\r\n

Connection: keep-alive\r\n

[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html]

[HTTP request 1/1] [Response in frame: 35]

```
Frame 35: 554 bytes on wire (4432 bits), 554 bytes captured (4432 bits) on interface 0
Ethernet II, Src: Netgear_29:90:66 (c4:04:15:29:90:66), Dst: Apple_b9:c1:e7 (a4:5e:60:b9:c1:e7)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.11
  Transmission Control Protocol, Src Port: 80, Dst Port: 49508, Seq: 1, Ack: 481, Len: 488
Hypertext Transfer Protocol 4
     HTTP/1.1 200 OK\r\n
  1 Date: Thu, 20 Oct 2016 01:24:17 GMT\r\n
      Server: Apache/2.4.6 (CentO5) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev Perl/v5.16.3\r\n
      Last-Modified: Wed, 19 Oct 2016 05:59:01 GMT\r\n
      ETag: "80-53f318174cfee"\r\n
      Accept-Ranges: bytes\r\n

▼ Content-Length: 128\r\n

         [Content length: 128] 6
     Keep-Alive: timeout=5, max=100\r\n
      Connection: Keep-Alive\r\n
      Content-Type: text/html; charset=UTF-8\r\n
      [HTTP response 1/1]
      [Time since request: 0.069033000 seconds]
      [Request in frame: 26]
     File Data: 128 bytes

    Line-based text data: text/html
```

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?

Answer: No I do not.

9. Inspect the contents of the server response. Did the server explicitly return the contents of the file? How can you tell?

Answer: Yes, you can see the contents of the file below the packet. It is titled as Line-based text data.

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? If so, what information follows the "IF-MODIFIED-SINCE:" header?

Answer: Yes, I do see that line. It contains: Wed, 19 Oct 2016 05:59:01 GMT\r\n

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? Explain.

Answer: The code returned is 304 Not Modified. Since the file had not changed since last accessed, no data was sent from the server with this request.

Section 2 Screenshots:

Rob Navarro CS372

1st Get Request

No.		Time	A	Source	Destination	Protocol	Length	Info
+	22	19:59:12.188188		192.168.1.11	128.119.245.12	HTTP	519	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
+	26	19:59:12.255968		128.119.245.12	192,168,1,11	HTTP	798	HTTP/1.1 200 OK (text/html)
+	38	19:59:21.469743		192,168,1,11	128,119,245,12	HTTP	685	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
	43	19:59:21.532941		128.119.245.12	192.168.1.11	HTTP	368	HTTP/1.1 304 Not Modified

```
Frame 22: 519 bytes on wire (4152 bits), 519 bytes captured (4152 bits) on interface 8

Ethernet II, Src: Apple_b9:cl:e7 (a4:5e:68:b9:cl:e7), Dat: Netgeer_29:90:66 (c4:84:15:29:90:66)

Internet Protocol Version 4, Src: 192.188.1.11, Dat: 128.119.245.12

Transmission Control Protocol, Src Port: 52550, Dat Port: 88, Seq: 1, Ack: 1, Len: 453

Whypertext Transfer Protocol

W GET /wireshark-lobs/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)

Request Wethod: 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=8\r\n

Ubgrade—Insecure—Requests: 1\r\n

User-Agent: Mozilla/5.8 (Macintosh: Intel Mac OS X 18_12_8) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/53.8.2785.143 Safari/537.36\r\n

Accept-Encoding: gip, deflate, sdch\r\n

Accept-Encoding: gip, deflate, sdch\r\n

Accept-Language: en-US,en;q=8.8\r\n

Iful request URI: http://qsia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html

IMTTP request URI: http://qsia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html

IMTTP request INI: http://qsia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html

IMTTP request INI

IMTTP request INI
```

1st Response

No.		Time	Source	Destination	Protocol	Length	Info
-	22	19:59:12.188188	192.168.1.11	128.119.245.12	HTTP	519	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
+	26	19:59:12.255968	128.119.245.12	192.168.1.11	HTTP	798	HTTP/1.1 200 OK (text/html)
	38	19:59:21.469743	192.168.1.11	128.119.245.12	HTTP	685	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
	43	19:59:21.532941	128.119.245.12	192.168.1.11	HTTP	388	HTTP/1.1 304 Not Modified

```
Frame 26: 798 bytes on wire (6384 bits), 798 bytes captured (6384 bits) on interface 8

Ethernet II, Src: Netgear_29:90:66 (c4:84:15:29:90:66), Dst: Apple_b9:clie7 (a4:5e:68:b9:clie7)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.11

Transmission Control Protocol, Src Port: 80, Dst Port: 52550, Seq: 1, Ack: 454, Len: 732

# Hypertext Transfer Protocol

# HTTP/1.1 200 OK\r\n

| Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n|
| Request Version: HTTP/1.1 200 OK\r\n|
| Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PMP/5.4.16 mod_perl/2.0.9dev Perl/v5.16.3\r\n|
| EThe: "173-53f318174c81e"\r\n|
| Accept-Ranges: bytes\r\n|
| Content-Length: 371\r\n|
| Keep-Alive: timeout=5, max=100\r\n|
| Content-Length: 371\r\n|
| Content-Length: 371\r\n|
| Content-Type: text/html; charset=UTF-8\r\n|
| \r\n|
| \text{VM}
| HTTP response 1/1]
| [Time since request: 0.067780000 seconds]
| Request in frame: 22|
| File Data: 371 bytes
| Line-based text data: text/html
```

2nd Get request

No.		Time	${\color{red} {\mathbb{A}}}$	Source	Destination	Protocol	Length	Info
	22	19:59:12.188188		192.168.1.11	128.119.245.12	HTTP	519	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
	26	19:59:12.255968		128.119.245.12	192.168.1.11	HTTP	798	HTTP/1.1 200 OK (text/html)
+	38	19:59:21.469743		192.168.1.11	128.119.245.12	HTTP	685	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
+	43	19:59:21.532941		128.119.245.12	192.168.1.11	HTTP	388	HTTP/1.1 384 Not Modified

- ▶ Frame 38: 685 bytes on wire (4848 bits), 685 bytes captured (4848 bits) on interface 8
 ▶ Ethernet II, Src: Apple_b9:c1:e7 (a4:5e:60:b9:c1:e7), Dst: Netgear_29:98:66 (c4:84:13:29:98:66)
 ▶ Internet Protocol Version 4, Src: 192.168.1.11, Dst: 128.119.245.12
 ▶ Transmission Control Protocol, Src Port: 52551, Dst Port: 88, Seq: 1, Ack: 1, Len: 539

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/5.8 (Macintosh; Intel Mac OS X 10_12_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/53.0.2785.143 Safari/537.36\r\m

Accept: text/html,application/xhtml=xml,application/xml;q=8.9,image/webp,+/+;q=8.8\r\n
Accept=Encoding: gzip, deflate, sdch\r\n
Accept=Language: en-US,en;q=0.8\r\n
If-None-Match: "173-53f318174c8le"\r\n

If-Modified-Since: Wed, 19 Oct 2016 05:59:01 GMT\r\n 10

[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
[HTTP request 1/1]

[Response in frame: 43]

2nd Response

No.	Time		Source	Destination	Protocol	Length	Info
	22 19:59:12.18818	38	192.168.1.11	128.119.245.12	HTTP	519	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
	26 19:59:12.25590	58	128.119.245.12	192.168.1.11	HTTP	798	HTTP/1.1 200 OK (text/html)
-	38 19:59:21.46974	13	192.168.1.11	128.119.245.12	HTTP	685	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
+	43 19:59:21.53294	11	128.119.245.12	192.168.1.11	HTTP	388	HTTP/1.1 384 Not Modified

▶ Frame 43: 388 bytes on wire (2464 bits), 388 bytes captured (2464 bits) on interface 0

- Ethernet II, Src: Netgear_29:98:66 (c4:84:15:29:98:66), Dst: Apple_b9:c1:e7 (a4:5e:68:b9:c1:e7)
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.11
- Transmission Control Protocol, Src Port: 88, Dst Port: 52551, Seq: 1, Ack: 548, Len: 242

 ### HTTP/1.1 384 Not Modified\r\n

 | Expert Info (Chaif/Sequence): HTTP/1.1 384 Not Modified\r\n|

Request Version: HTTP/1.1 Status Code: 384

Response Phrase: Not Modified Date: Thu, 20 Oct 2016 01:59:22 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev Perl/v5.16.3\r\m

Connection: Keep-Alive\r\n Keep-Alive: timeout=5, max=100\r\n

ETag: "173-53f318174c81e"\r\n

(HTTP response 1/1)

[Time since request: 0.063198000 seconds]

[Request in frame: 38]

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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?

Answer: There was one GET request sent. It was contained in packet 215.

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

Answer: Packet 219

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

Answer: 200 OK

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

Answer: 4 packets

GET Request

No.		Time	Source	Destination	Protocol	Length	Info
+	215	20:19:12.288877	192.168.1.11	128.119.245.12	HTTP	493	GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1
-	222	28:19:12.358136	128.119.245.12	192.168.1.11	HTTP	585	HTTP/1.1 200 OK (text/html)

12

```
Frame 215: 493 bytes on wire (3944 bits), 493 bytes captured (3944 bits) on interface 0

Ethernet II, Src: Apple_b9:c1:e7 (a4:5e:68:b9:c1:e7), Dst: Netgear_29:98:66 (c4:04:15:29:98:66)

Internet Protocol Version 4, Src: 192.168.1.11, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 52785, Dst Port: 88, Seq: 1, Ack: 1, Len: 427

Whyertext Transfer Protocol

SCT /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1\r\n

Host: gaia.cs.umass.edu\r\n

Connection: keep-alive\r\n

Upgrade-Insecure-Requests: 1\r\n

User-Agent: Mozilla/5.8 (Macintosh; Intel Mac OS X 10_12_0) AppleMebKit/537.36 (KHTML, like Gecko) Chrome/53.8.2785.143 Safari/537.36\r\n

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n

Accept-Encoding: gzip, deflate, sdch\r\n

Accept-Language: en-US,en;q=0.8\r\n

\r\n

Ifull request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html

[HTTP request 1/1]

[Response in frame: 222]
```

Response

No.		Time	Source	Destination	Protocol	Length	Info
-	215	20:19:12.200077	192.168.1.11	128.119.245.12	HTTP	493	GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1
+	222	20:19:12.358136	128,119,245,12	192.168.1.11	нттр	585	HTTP/1.1 200 CK (text/html)

```
    Prame 222: 585 bytes on wire (4888 bits), 585 bytes captured (4688 bits) on interface 8
    Ethernet II, 5rc: Netgear_29:98:666 (c4e44:15:29:98:66), Dst: Apple_09:c1rc? (64:5e:68:19:11c2)
    Internet Protocol Version 4, 5rc: 128:139-245.12, Dst: 192:1681.21
    Pransmission Control Protocol, 5rc Port: 88, Dst Port: 52795, Seq: 4945, Ack: 428, Len: 519
    [4 Reasseabled TCP Segments (4863 bytes): 92:91(1448), #220(1448), #222(1519)]
    [frame: 219, Dmyloadi 3-1447 (1448 bytes)]
    [frame: 221, Dmyloadi 3-248-2905 (1448-bytes)]
    [frame: 221, Dmyloadi 3-444-692 (519 Bytes)]
    [Segment count: 4]
    [Reasseabled TCP Length: 4863]
    [Reasseabled TCP Length: 4863]
    [Reasseabled TCP Data: 485454527312e3128323330202414b9d88446174653a2254...]

**Hypertext Transfer Protocol

**Description**

**Hypertext Transfer Protocol

**Description**

**Hypertext Transfer Protocol

**Accept-Adages: bytes\r\n

**Server: Apache/2.4.6 (CentGS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_per\/2.0.9dev Per\/v5.16.3\r\n

**ETag: "1194-537218174899d"\r\n

**Accept-Ranges: bytes\r\n

**Content-Length: 4388\r\n

**Keep-Alive: tisseout-S, max=188\r\n

**Content-Length: 4388\r\n

**Content-Length: 4388\r\n

**Content-Length: 4588\r\n

**Content-Length: 45888\r\n

**Content-Length: 45888\r\n

**Content-Length: 45888\r\n

**Content-Length: 4588
```

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

Answer: My browser sent a total of 4 GET requests. They are as follows:

GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1

Destination: 128.119.245.12 GET/pearson.png HTTP/1.1 Destination: 128.119.245.12

GET /~kurose/cover 5th ed.jpg HTTP/1.1

Destination: 128.119.240.90

GET /~kurose/cover 5th ed.jpg HTTP/1.1

Destination: 128.119.240.90

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

Answer: They were sent serially; you can tell this since the GET requests occur one after another. This is also confirmed since the images were sent over TCP and came from the same port.

Section 4 Screenshots

N	1.	Time	Source	Destination	Protocol	Length	Info
+	94	28:32:51.752872	192.168.1.11	128.119.245.12	HTTP	519	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1
+	96	28:32:51.827649	128.119.245.12	192.168.1.11	HTTP	1141	HTTP/1.1 200 CK (text/html)
+	186	20:32:51.832921	192.168.1.11	128.119.245.12	HTTP	464	GET /pearson.png HTTP/1.1
Ŧ	384	20:32:51.096920	128.119.245.12	192.168.1.11	HTTP	783	HTTP/1.1 200 SK (PNG)
П	112	20:32:51.965327	192.168.1.11	128.119.240.98	HTTP	478	GET /~kurose/cover_5th_ed.jpg HTTP/1.1
	114	28:32:52.833626	128,119,248,98	192.168.1.11	HTTP	522	HTTP/1.1 382 Found (text/html) 16
	120	28:32:52.163772	192.168.1.11	128.119.240.98	HTTP	478	GET /~kurose/cover_5th_ed.jpg HTTP/1.1
	241	20:32:52.420020	128, 119, 248, 98	102.168.1.11	HTTP	1366	HTTP/1.1 288 CK (1985 1878 image)

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No.	Time	A	Source	Destination	Protocol	Length	Info
94	28:32:51.752872		192.168.1.11	128.119.245.12	HTTP	519	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1
98	28:32:51.827649		128.119.245.12	192.168.1.11	HTTP	1141	HTTP/1.1 200 OK (text/html)
188	28:32:51.832921		192.168.1.11	128.119.245.12	HTTP	464	GET /pearson.png HTTP/1.1
184	28:32:51.896928		128.119.245.12	192.168.1.11	HTTP	783	HTTP/1.1 200 OK (PMG)
112	28:32:51.965327		192.168.1.11	128.119.240.90	HTTP	478	GET /~kurose/cover_5th_ed.jpg HTTP/1.1
114	28:32:52.833626		128.119.248.98	192.168.1.11	HTTP	522	HTTP/1.1 382 Found (text/html)
- 126	28:32:52.163772		192.168.1.11	128.119.240.90	HTTP	478	GET /~kurose/cover_5th_ed.jpg HTTP/1.1
- 247	28:32:52.429879		128.119.248.98	192.168.1.11	HTTP	1366	HTTP/1.1 200 OK (JPEG JFIF image)

```
Frame 131, psyload: 3485-3592 (1448 bytes)

| Frame: 135, psyload: 3485-3592 (1448 bytes)|
| Frame: 136, psyload: 3485-3592 (1448 bytes)|
| Frame: 137, psyload: 3485-3592 (1448 bytes)|
| Frame: 148, psyload: 3485-3592 (1448 bytes)|
| Frame: 158, psyload: 3285-34932 (1448 bytes)|
| Frame: 158, psyload: 3285-34932 (1448 bytes)|
| Frame: 158, psyload: 3285-34932 (1448 bytes)|
| Frame: 159, psyload: 3285-34932 (1448 bytes)|
| Frame: 150, psyload: 3285-34933 (1448 bytes)|
| Frame: 160, psyload: 3285-34933 (1448 bytes)|
| Frame: 161, psyload: 3285-34933 (1448 bytes)|
| Frame: 162, psyload: 3285-34933 (1448 bytes)|
| Frame: 163, psyload: 3285-34933 (1448 bytes)|
| Frame: 164, psyload: 3285-34933 (1448 bytes)|
| Frame:
```

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

Answer: 401 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?

Answer: The authorization field was added and has the value Basic

d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms=\r\n

Section 5 Screenshots:

No.	Time	Source	Destination	Protocol	Length	Info
-	75 28:55:83.083378	192.168.1.11	128.119.245.12	HTTP	477	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
+	77 28:55:83.878183	128.119.245.12	192.168.1.11	нттр		HTTP/1.1 481 Unauthorized (text/html)
	97 28:55:17.281816	192.168.1.11	128.119.245.12	HTTP	536	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
	99 28:55:17,349732	128, 119, 245, 12	192, 168, 1, 11	HTTP	558	HTTP/1.1 288 OK (text/html)

```
Frame 77: 785 bytes on wire (6288 bits), 785 bytes captured (6288 bits) on interface 8

Ethernet II, Src: Netgeer_29:90:66 (c4:94:15:29:90:66), Dst: Apple_p9:c1:e7 (e4:50:00:b9:c1:e7)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.11

Fransaission Control Protocol, Src Ports 88, Dst Port: 52957, Seq: 1, Ack: 412, Len: 719

Wypertext Transfer Protocol

HTTP/1.1 481 Unauthorized\n\n

Outer Thu, 20 Oct 2016 62:55:03 OM\n\n\n
Server: Apache/2.4.6 (CentDS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perL/2.0.9dev PerL/v5.16.3\n\n
MM-Authenticate: Basic realsm-*wiresbark-students only"\n
Content-Length: 381\n\n\n
Keep-Alive: timeout-5, max=100\n\n
Content-Jupe: text/html; charset=iso-8659-1\n\n
\n\n\n
\n\n
HTTP response 1/11

ITime since request: 0.66603000 seconds]

| Resposs in frame: 75|
| File Data: 381 bytes
| Line-based text data: text/html
```

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No.	Time	Source	Destination	Protocol	Length	info
	75 20:55:03.003378	192.168.1.11	128.119.245.12	HTTP	477	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
	77 20:55:03.070183	128,119,245,12	192.168.1.11	HTTP	785	HTTP/1.1 481 Unauthorized (text/html)
+	97 20:55:17.281016	192.168.1.11	128, 119, 245, 12	HTTP		GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
	99 28:55:17.349732	128.119.245.12	192.168.1.11	HTTP	558	HTTP/1.1 288 OK (text/html)

Frame 97: 536 bytes on wire (4288 bits), 536 bytes captured (4288 bits) on interface 0

Eithermet II, Src: Apple_D9:clie7 (64:5e:08:09:clie7), Dst: Netgear_29:98:66 (c4:04:15:29:98:66)

Intermet Protocol Version 4, Src: 192:168.1.11, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 52958, Dst Port: 80, Seq: 1, Ack: 1, Len: 470

**Wippertext Transfer Protocol

**Out / Marshark-labs/protected_pages/MTTP-wireshark-file5.html HTTP/1.1\n\n

**Host: gaia.cs.umass.edu\n\n

Connection: keep-aliven'r\n

Upgrade-Insecure-Requests: 1\n\n

Accept: text/html.application/xhtml+xml,application/xml;q=8.9,*/*;q=8.8\n\n

User-Agent Mozilla/5.6 (Macintosh) Intel Mac 05 X 10,12) AppleMetMit/602.1.50 (MHTML, like Gecko) Version/10.0 Safari/602.1.50\n\n

Accept-Encoding: gzip, deflate\n\n

Accept-Encoding: gzip, deflate\n\n

Accept-Encoding: gzip, deflate\n\n

Actentization: Basic d2lyZNoYXJrLNodwRlbnRz0e5lddvcms=\n\n

INTP request URI: http://gaia.cs.umass.edu/vireshark-labs/protected_pages/MTTP-vireshark-file5.html

INTTP request URI: http://gaia.cs.umass.edu/vireshark-labs/protected_pages/MTTP-vireshark-file5.