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## Class Activity 2.4 – Lab Computer Network

What is the server's response (status code and phrase) in response to the initial HTTP GET message from your browser? **401 Unauthorized**

No.	Time	Source	Destination	Protocol	Length	Info
332	2.475438	10.113.84.98	128.119.245.12	HTTP	461	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
370	2.744642	128.119.245.12	10.113.84.98	HTTP	771	HTTP/1.1 401 Unauthorized (text/html)
1249	10.121343	10.113.84.98	128.119.245.12	HTTP	520	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
1281	10.398193	128.119.245.12	10.113.84.98	HTTP	544	HTTP/1.1 200 OK (text/html)
1317	10.486107	10.113.84.98	128.119.245.12	HTTP	418	GET /favicon.ico HTTP/1.1
1885	14.909010	10.113.84.98	13.107.4.52	HTTP	165	GET /connecttest.txt HTTP/1.1

**401 Unauthorized**

```
> Transmission Control Protocol, Src Port: 80, Dst Port: 53798, Seq: 1, Ack: 408, Len: 717
> Hypertext Transfer Protocol
> Line-based text data: text/html (12 lines)
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">\n
<html><head>\n
<title>401 Unauthorized</title>\n
</head><body>\n
<h1>Unauthorized</h1>\n
<p>This server could not verify that you\n
are authorized to access the document\n
requested. Either you supplied the wrong\n
credentials (e.g., bad password), or your\n
browser doesn't understand how to supply\n
the credentials required.</p>\n
</body></html>\n
```

When your browser's sends the HTTP GET message for the second time, what new field is included in the HTTP GET message? **Authorization :Basic**

No.	Time	Source	Destination	Protocol	Length	Info
332	2.475438	10.113.84.98	128.119.245.12	HTTP	461	GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1
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```
> GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:104.0) Gecko/20100101 Firefox/104.0\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8\r\n
Accept-Language: en-US,en;q=0.5\r\n
Accept-Encoding: gzip, deflate\r\n
Connection: keep-alive\r\n
Upgrade-Insecure-Requests: 1\r\n
Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzM05ldHdvcmM=\r\n
Credentials: wireshark-students:network\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/protected_pages/HTTP-wireshark-file5.html]
[HTTP request 1/2]
[Response in frame: 1281]
[Next request in frame: 1317]
```