



**МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ ННК  
«ІПСА» НТУУ «КПІ ІМ. ІГОРЯ СІКОРСЬКОГО»  
КАФЕДРА ММСА**

**Практична робота № 1  
З курсу: «Комп'ютерні мережі»**

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## Запит

No. Time Source Destination Protocol Length Info  
192.168.43.84 128.119.245.12 HTTP 653 GET /  
wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1  
Frame 102: 653 bytes on wire (5224 bits), 653 bytes captured (5224 bits) on interface en0, id 0  
Ethernet II, Src: Apple\_78:53:31 (f0:18:98:78:53:31), Dst: 0a:c5:e1:0a:86:9d (0a:c5:e1:0a:86:9d)  
Internet Protocol Version 4, Src: 192.168.43.84, Dst: 128.119.245.12  
Transmission Control Protocol, Src Port: 63449, Dst Port: 80, Seq: 1, Ack: 1, Len: 587  
Hypertext Transfer Protocol  
GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n  
[Expert Info (Chat/Sequence): GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/

1.1\r\n]

[GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n]  
[Severity level: Chat]  
[Group: Sequence]  
Request Method: GET  
Request URI: /wireshark-labs/INTRO-wireshark-file1.html  
Request Version: HTTP/1.1  
Host: gaia.cs.umass.edu\r\n  
Connection: keep-alive\r\n  
Upgrade-Insecure-Requests: 1\r\n  
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_14\_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.117 Safari/537.36\r\n  
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,\*/\*;q=0.8,application/signed-exchange;v=b3;q=0.9\r\n  
Accept-Encoding: gzip, deflate\r\n  
Accept-Language: uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q=0.6\r\n  
If-None-Match: "51-59f6105e8c5ac"\r\n  
If-Modified-Since: Tue, 25 Feb 2020 06:59:03 GMT\r\n  
\r\n  
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]  
[HTTP request 1/1]  
[Response in frame: 124]

## Відповідь

No. Time Source Destination Protocol Length Info  
124 12.498098 128.119.245.12 192.168.43.84 HTTP 305 HTTP/1.1 304  
Not Modified  
Frame 124: 305 bytes on wire (2440 bits), 305 bytes captured (2440 bits) on interface en0, id 0  
Ethernet II, Src: 0a:c5:e1:0a:86:9d (0a:c5:e1:0a:86:9d), Dst: Apple\_78:53:31 (f0:18:98:78:53:31)  
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.43.84  
Transmission Control Protocol, Src Port: 80, Dst Port: 63449, Seq: 1, Ack: 588, Len: 239  
Hypertext Transfer Protocol  
HTTP/1.1 304 Not Modified\r\n  
[Expert Info (Chat/Sequence): HTTP/1.1 304 Not Modified\r\n]  
[HTTP/1.1 304 Not Modified\r\n]  
[Severity level: Chat]  
[Group: Sequence]  
Response Version: HTTP/1.1  
Status Code: 304  
[Status Code Description: Not Modified]  
Response Phrase: Not Modified  
Date: Tue, 25 Feb 2020 09:41:27 GMT\r\n  
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod\_perl/2.0.11 Perl/v5.16.3\r\n  
Connection: Keep-Alive\r\n  
Keep-Alive: timeout=5, max=100\r\n

ETag: "51-59f6105e8c5ac"\r\n\r\n[HTTP response 1/1]  
[Time since request: 2.009455000 seconds]  
[Request in frame: 102]  
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]

## **Контрольні запитання**

1. TLSv1.2, TCP, DNS, ARP, HTTP, MDNS
2. HTTP
3. 2.009455
4. Запит:
  - Вихідна: 192.168.43.84
  - Цільова: 128.119.245.12Відповідь:
  - Вихідна: 128.119.245.12
  - Цільова: 192.168.43.84
5. GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
6. HTTP/1.1 304 Not Modified\r\n