```
No.     Time           Source                Destination           Protocol Length Info
   5011 6.619855       10.0.0.170            128.119.245.12        HTTP     539    GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/
1.1
Frame 5011: 539 bytes on wire (4312 bits), 539 bytes captured (4312 bits) on interface \Device\NPF_{83C09951-6ABE-4A4E-A417-
A4C8D17BD1BF}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{83C09951-6ABE-4A4E-A417-A4C8D17BD1BF})
        Interface name: \Device\NPF_{83C09951-6ABE-4A4E-A417-A4C8D17BD1BF}
        Interface description: Ethernet
    Encapsulation type: Ethernet (1)
    Arrival Time: Sep 24, 2024 15:53:05.285362000 Mountain Daylight Time
    UTC Arrival Time: Sep 24, 2024 21:53:05.285362000 UTC
    Epoch Arrival Time: 1727214785.285362000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.000596000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 6.619855000 seconds]
    Frame Number: 5011
    Frame Length: 539 bytes (4312 bits)
    Capture Length: 539 bytes (4312 bits)
    [Frame is marked: True]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: GigaByteTech_85:44:2c (d8:5e:d3:85:44:2c), Dst: ARRISGroup_b4:fb:26 (c0:94:35:b4:fb:26)
    Destination: ARRISGroup_b4:fb:26 (c0:94:35:b4:fb:26)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: GigaByteTech_85:44:2c (d8:5e:d3:85:44:2c)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    [Stream index: 0]
Internet Protocol Version 4, Src: 10.0.0.170, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 525
    Identification: 0x0d63 (3427)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x6b5a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.0.0.170
    Destination Address: 128.119.245.12
    [Stream index: 7]
Transmission Control Protocol, Src Port: 57982, Dst Port: 80, Seq: 1, Ack: 1, Len: 485
    Source Port: 57982
    Destination Port: 80
    [Stream index: 13]
    [Stream Packet Number: 1]
    [Conversation completeness: Incomplete (28)]
        ..0. .... = RST: Absent
        ...1 .... = FIN: Present
        .... 1... = Data: Present
        .... .1.. = ACK: Present
        .... ..0. = SYN-ACK: Absent
        .... ...0 = SYN: Absent
        [Completeness Flags: ·FDA··]
    [TCP Segment Len: 485]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2249766021
    [Next Sequence Number: 486    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3137758362
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·······AP···]
    Window: 513
    [Calculated window size: 513]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xa668 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 485]
        [Bytes sent since last PSH flag: 485]
    TCP payload (485 bytes)
Hypertext Transfer Protocol
    GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
        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 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-
exchange;v=b3;q=0.7\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en,en-CA;q=0.9,en-US;q=0.8\r\n
    \r\n
    [Response in frame: 5103]
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
```

```
No.     Time           Source                Destination           Protocol Length Info
   5103 6.707739       128.119.245.12        10.0.0.170            HTTP     492    HTTP/1.1 200 OK  (text/html)
Frame 5103: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface \Device\NPF_{83C09951-6ABE-4A4E-A417-
A4C8D17BD1BF}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{83C09951-6ABE-4A4E-A417-A4C8D17BD1BF})
        Interface name: \Device\NPF_{83C09951-6ABE-4A4E-A417-A4C8D17BD1BF}
        Interface description: Ethernet
    Encapsulation type: Ethernet (1)
    Arrival Time: Sep 24, 2024 15:53:05.373246000 Mountain Daylight Time
    UTC Arrival Time: Sep 24, 2024 21:53:05.373246000 UTC
    Epoch Arrival Time: 1727214785.373246000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.000396000 seconds]
    [Time delta from previous displayed frame: 0.087884000 seconds]
    [Time since reference or first frame: 6.707739000 seconds]
    Frame Number: 5103
    Frame Length: 492 bytes (3936 bits)
    Capture Length: 492 bytes (3936 bits)
    [Frame is marked: True]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http:data-text-lines]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ARRISGroup_b4:fb:26 (c0:94:35:b4:fb:26), Dst: GigaByteTech_85:44:2c (d8:5e:d3:85:44:2c)
    Destination: GigaByteTech_85:44:2c (d8:5e:d3:85:44:2c)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ARRISGroup_b4:fb:26 (c0:94:35:b4:fb:26)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    [Stream index: 0]
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.0.0.170
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 478
    Identification: 0x325e (12894)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 46
    Protocol: TCP (6)
    Header Checksum: 0x988e [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.0.0.170
    [Stream index: 7]
Transmission Control Protocol, Src Port: 80, Dst Port: 57982, Seq: 1, Ack: 486, Len: 438
    Source Port: 80
    Destination Port: 57982
    [Stream index: 13]
    [Stream Packet Number: 3]
    [Conversation completeness: Incomplete (28)]
        ..0. .... = RST: Absent
        ...1 .... = FIN: Present
        .... 1... = Data: Present
        .... .1.. = ACK: Present
        .... ..0. = SYN-ACK: Absent
        .... ...0 = SYN: Absent
        [Completeness Flags: ·FDA··]
    [TCP Segment Len: 438]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3137758362
    [Next Sequence Number: 439    (relative sequence number)]
    Acknowledgment Number: 486    (relative ack number)
    Acknowledgment number (raw): 2249766506
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 237
    [Calculated window size: 237]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6617 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.087884000 seconds]
        [Time since previous frame in this TCP stream: 0.000948000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 438]
        [Bytes sent since last PSH flag: 438]
    TCP payload (438 bytes)
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Date: Tue, 24 Sep 2024 21:53:06 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
    Last-Modified: Tue, 24 Sep 2024 05:59:02 GMT\r\n
    ETag: "51-622d733c9768a"\r\n
    Accept-Ranges: bytes\r\n
    Content-Length: 81\r\n
        [Content length: 81]
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=UTF-8\r\n
    \r\n
    [Request in frame: 5011]
    [Time since request: 0.087884000 seconds]
    [Request URI: /wireshark-labs/INTRO-wireshark-file1.html]
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
    File Data: 81 bytes
Line-based text data: text/html (3 lines)
    <html>\n
    Congratulations!  You've downloaded the first Wireshark lab file!\n
    </html>\n
```