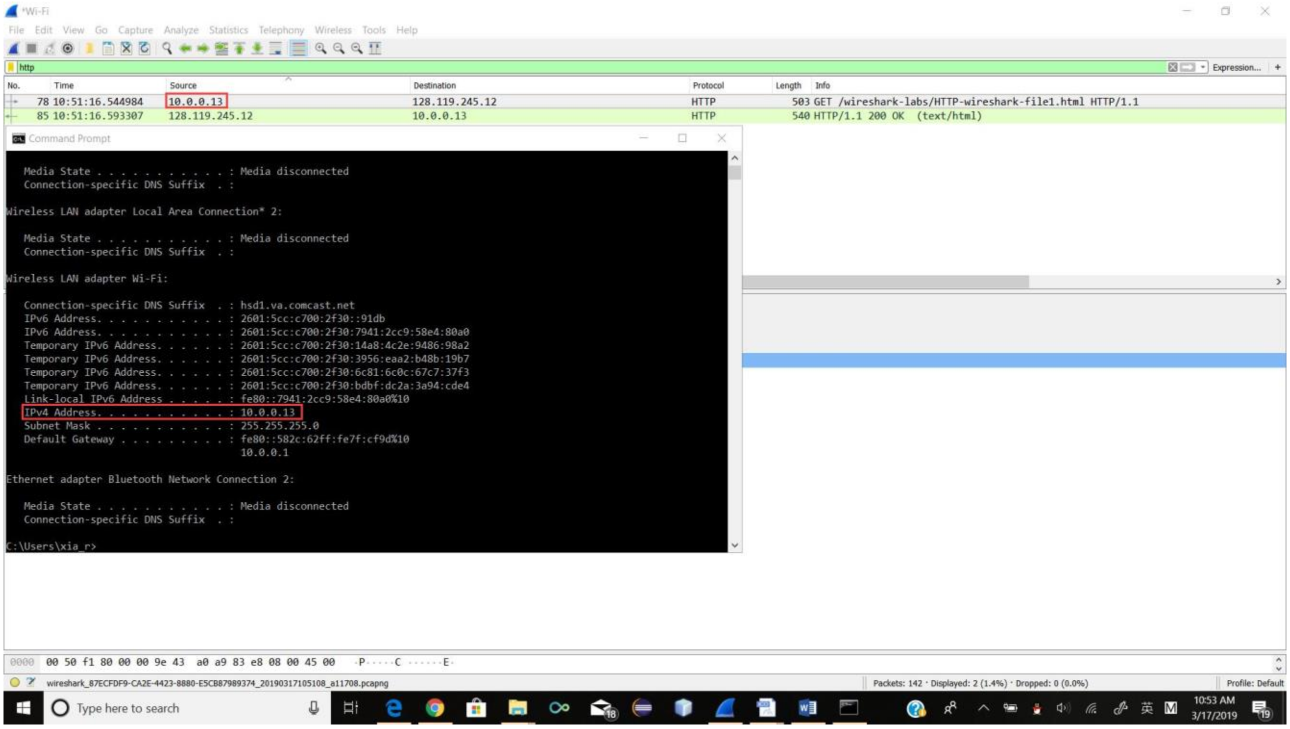
Lab 04
Ran Xia



*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
Expression...
Command Prompt
Type here to search
10:53 AM
3/17/2019

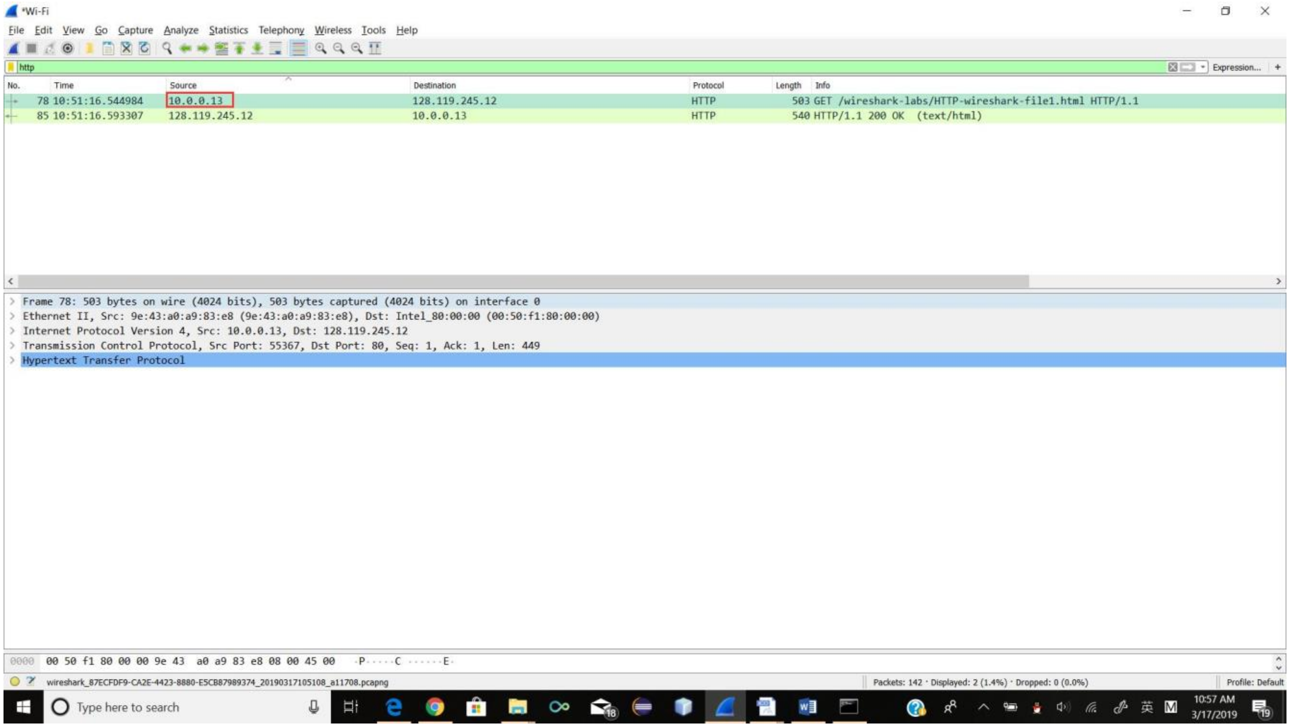
```
No.  Time             Source         Destination     Protocol  Length Info
  78 10:51:16.544984  10.0.0.13      128.119.245.12  HTTP         503 GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
  85 10:51:16.593307  128.119.245.12 10.0.0.13       HTTP         540 HTTP/1.1 200 OK  (text/html)
```

```
   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . : hsd1.va.comcast.net
   IPv6 Address. . . . . . . . . . . : 2601:5cc:c700:2f30::91db
   IPv6 Address. . . . . . . . . . . : 2601:5cc:c700:2f30:7941:2cc9:58e4:80a0
   Temporary IPv6 Address. . . . . . : 2601:5cc:c700:2f30:14a8:4c2e:9486:98a2
   Temporary IPv6 Address. . . . . . : 2601:5cc:c700:2f30:3956:eaa2:b48b:19b7
   Temporary IPv6 Address. . . . . . : 2601:5cc:c700:2f30:6c81:6c0c:67c7:37f3
   Temporary IPv6 Address. . . . . . : 2601:5cc:c700:2f30:bdbf:dc2a:3a94:cde4
   Link-local IPv6 Address . . . . . : fe80::7941:2cc9:58e4:80a0%10
   IPv4 Address. . . . . . . . . . . : 10.0.0.13
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::582c:62ff:fe7f:cf9d%10
                                       10.0.0.1

Ethernet adapter Bluetooth Network Connection 2:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

C:\Users\xia_r>
```

```
0000  00 50 f1 80 00 00 9e 43  a0 a9 83 e8 08 00 45 00   ·P·····C ······E·
wireshark_87ECFDF9-CA2E-4423-8880-E5CB87989374_20190317105108_a11708.pcapng    Packets: 142 · Displayed: 2 (1.4%) · Dropped: 0 (0.0%)    Profile: Default
```

My IP address is 10. 0. 0. 13

1. What is the IP address of your computer? – **Wireshark screenshot not, Terminal**



*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
Expression...
Type here to search
10:57 AM
3/17/2019

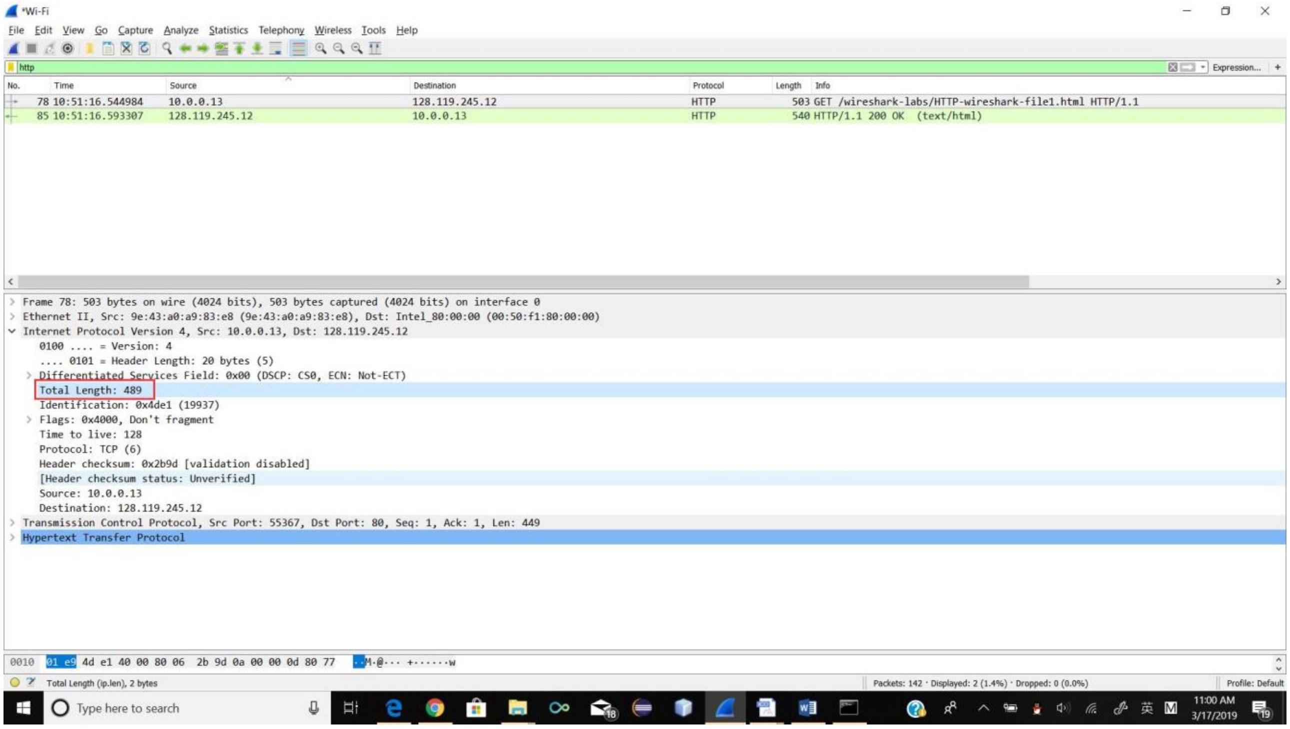
```
No.  Time             Source         Destination     Protocol  Length Info
  78 10:51:16.544984  10.0.0.13      128.119.245.12  HTTP         503 GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
  85 10:51:16.593307  128.119.245.12 10.0.0.13       HTTP         540 HTTP/1.1 200 OK  (text/html)
```

```
> Frame 78: 503 bytes on wire (4024 bits), 503 bytes captured (4024 bits) on interface 0
> Ethernet II, Src: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8), Dst: Intel_80:00:00 (00:50:f1:80:00:00)
> Internet Protocol Version 4, Src: 10.0.0.13, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 55367, Dst Port: 80, Seq: 1, Ack: 1, Len: 449
> Hypertext Transfer Protocol
```

```
0000  00 50 f1 80 00 00 9e 43  a0 a9 83 e8 08 00 45 00   ·P·····C ······E·
wireshark_87ECFDF9-CA2E-4423-8880-E5CB87989374_20190317105108_a11708.pcapng    Packets: 142 · Displayed: 2 (1.4%) · Dropped: 0 (0.0%)    Profile: Default
```

IP address is 10. 0. 0. 13(source IP in GET message)

2. What is the total length of the datagram?



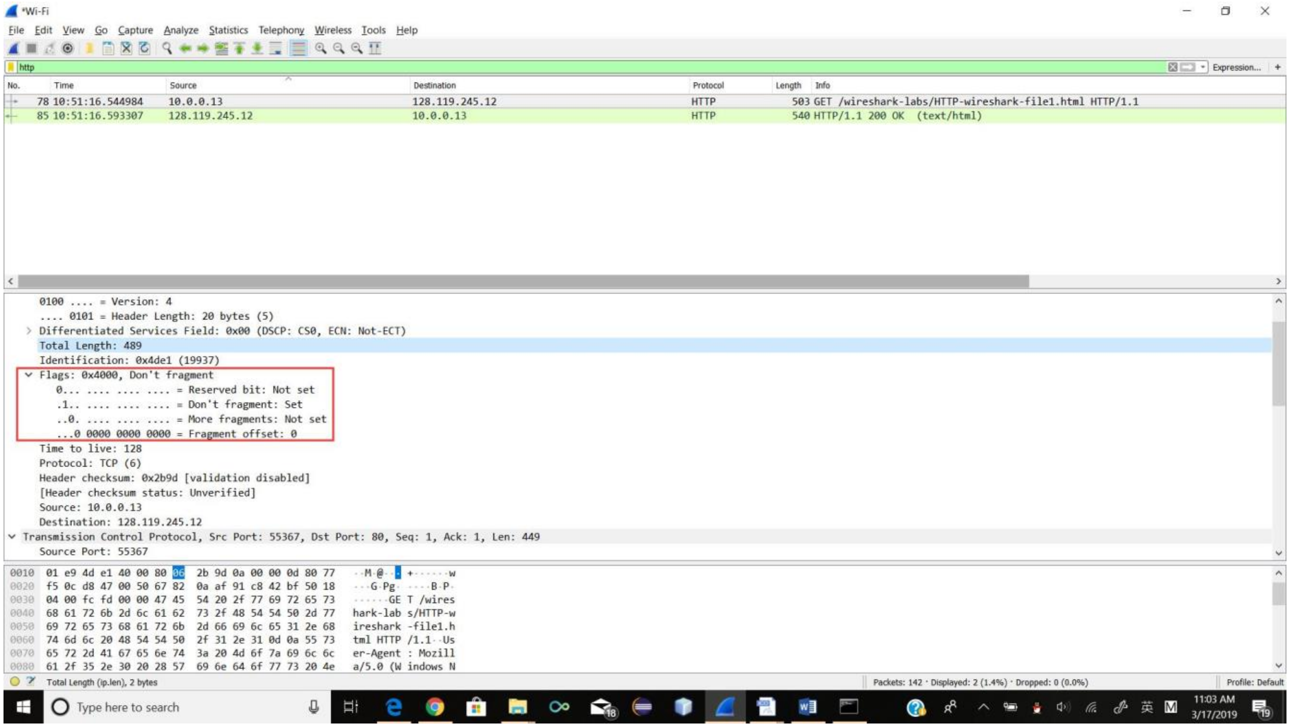
*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
Expression...
Type here to search
11:00 AM
3/17/2019

```
No.   Time              Source            Destination       Protocol  Length  Info
   78 10:51:16.544984   10.0.0.13         128.119.245.12    HTTP         503  GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
   85 10:51:16.593307   128.119.245.12    10.0.0.13         HTTP         540  HTTP/1.1 200 OK  (text/html)
```

```
> Frame 78: 503 bytes on wire (4024 bits), 503 bytes captured (4024 bits) on interface 0
> Ethernet II, Src: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8), Dst: Intel_80:00:00 (00:50:f1:80:00:00)
v Internet Protocol Version 4, Src: 10.0.0.13, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 489
    Identification: 0x4de1 (19937)
  > Flags: 0x4000, Don't fragment
    Time to live: 128
    Protocol: TCP (6)
    Header checksum: 0x2b9d [validation disabled]
    [Header checksum status: Unverified]
    Source: 10.0.0.13
    Destination: 128.119.245.12
> Transmission Control Protocol, Src Port: 55367, Dst Port: 80, Seq: 1, Ack: 1, Len: 449
> Hypertext Transfer Protocol

0010  01 e9 4d e1 40 00 80 06  2b 9d 0a 00 00 0d 80 77   ..M.@... +......w

Total Length (ip.len), 2 bytes
Packets: 142 · Displayed: 2 (1.4%) · Dropped: 0 (0.0%)        Profile: Default
```

Total length is 489 bytes.

3. Has this IP datagram been fragmented?



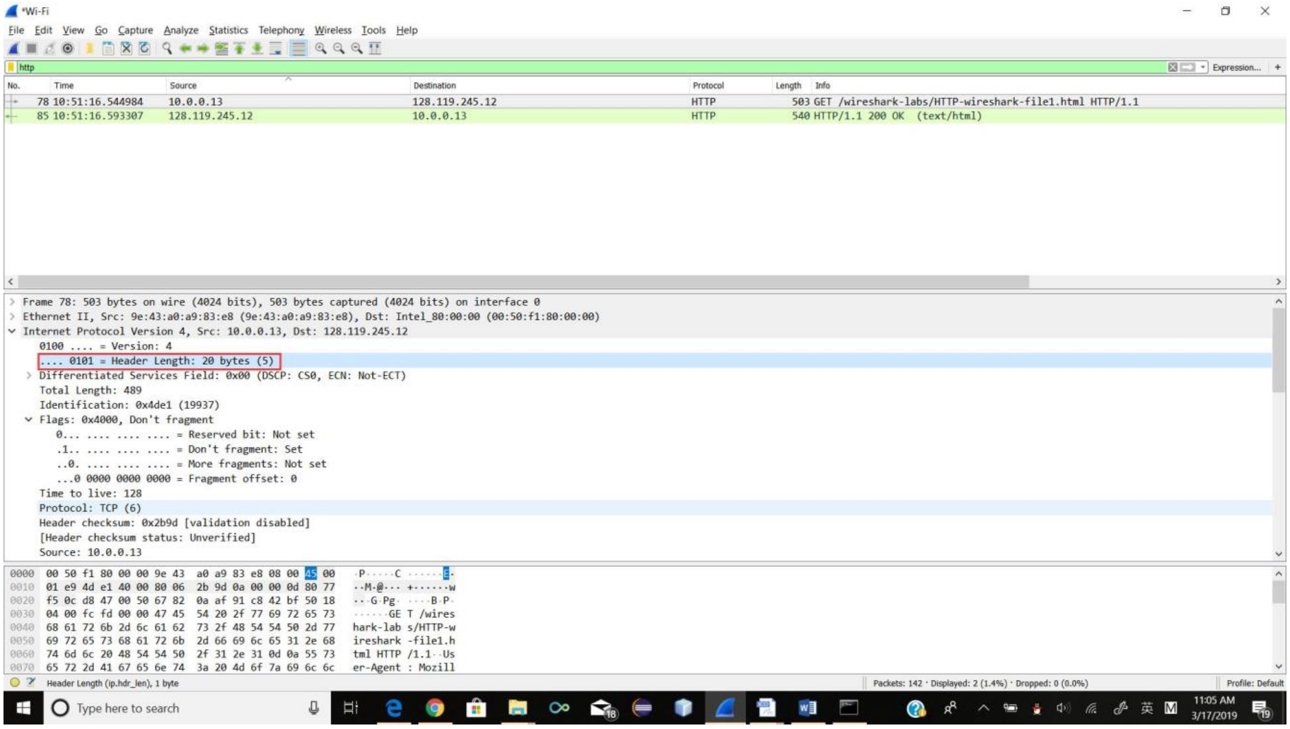
*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
Expression...
Type here to search
11:03 AM
3/17/2019

```
No.   Time              Source            Destination       Protocol  Length  Info
   78 10:51:16.544984   10.0.0.13         128.119.245.12    HTTP         503  GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
   85 10:51:16.593307   128.119.245.12    10.0.0.13         HTTP         540  HTTP/1.1 200 OK  (text/html)
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 489
    Identification: 0x4de1 (19937)
  v Flags: 0x4000, 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: 0x2b9d [validation disabled]
    [Header checksum status: Unverified]
    Source: 10.0.0.13
    Destination: 128.119.245.12
v Transmission Control Protocol, Src Port: 55367, Dst Port: 80, Seq: 1, Ack: 1, Len: 449
    Source Port: 55367

0010  01 e9 4d e1 40 00 80 06  2b 9d 0a 00 00 0d 80 77   ..M.@... +......w
0020  f5 0c d8 47 00 50 67 82  0a af 91 c8 42 bf 50 18   ...G.Pg. ....B.P.
0030  04 00 fc fd 00 00 47 45  54 20 2f 77 69 72 65 73   ......GE T /wires
0040  68 61 72 6b 2d 6c 61 62  73 2f 48 54 54 50 2d 77   hark-lab s/HTTP-w
0050  69 72 65 73 68 61 72 6b  2d 66 69 6c 65 31 2e 68   ireshark -file1.h
0060  74 6d 6c 20 48 54 54 50  2f 31 2e 31 0d 0a 55 73   tml HTTP /1.1..Us
0070  65 72 2d 41 67 65 6e 74  3a 20 4d 6f 7a 69 6c 6c   er-Agent : Mozill
0080  61 2f 35 2e 30 20 28 57  69 6e 64 6f 77 73 20 4e   a/5.0 (W indows N

Total Length (ip.len), 2 bytes
Packets: 142 · Displayed: 2 (1.4%) · Dropped: 0 (0.0%)        Profile: Default
```

No, flag shows don’t fragment.

4. How many bytes are in the IP header?


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
Expression...
Type here to search
11:05 AM
3/17/2019

```
No.  Time              Source          Destination     Protocol  Length Info
  78 10:51:16.544984   10.0.0.13       128.119.245.12  HTTP         503 GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
  85 10:51:16.593307   128.119.245.12  10.0.0.13       HTTP         540 HTTP/1.1 200 OK  (text/html)
```

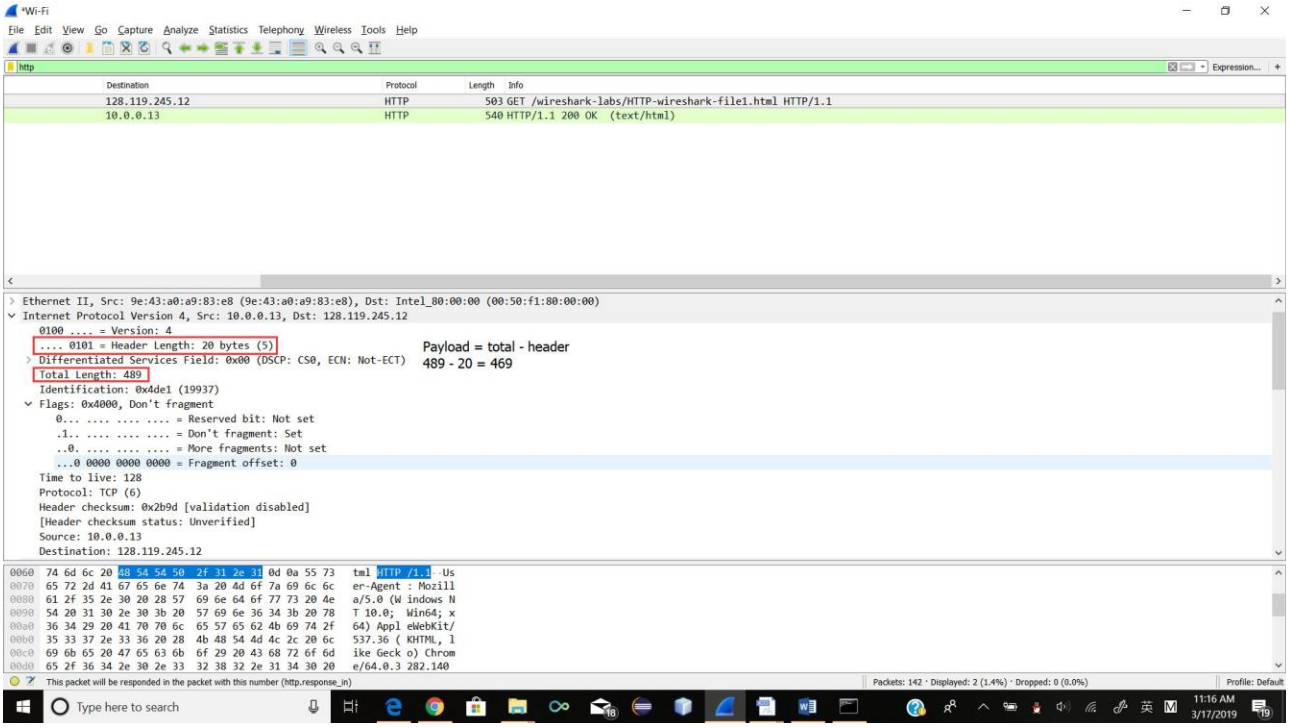
```
> Frame 78: 503 bytes on wire (4024 bits), 503 bytes captured (4024 bits) on interface 0
> Ethernet II, Src: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8), Dst: Intel_80:00:00 (00:50:f1:80:00:00)
v Internet Protocol Version 4, Src: 10.0.0.13, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 489
    Identification: 0x4de1 (19937)
  v Flags: 0x4000, 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: 0x2b9d [validation disabled]
    [Header checksum status: Unverified]
    Source: 10.0.0.13
```

```
0000  00 50 f1 80 00 00 9e 43  a0 a9 83 e8 08 00 45 00   ·P·····C ······E·
0010  01 e9 4d e1 40 00 80 06  2b 9d 0a 00 00 0d 80 77   ··M·@··· +······w
0020  f5 0c d8 47 00 50 67 82  0a af 91 c8 42 bf 50 18   ···G·Pg· ····B·P·
0030  04 00 fc fd 00 00 47 45  54 20 2f 77 69 72 65 73   ······GE T /wires
0040  68 61 72 6b 2d 6c 61 62  73 2f 48 54 54 50 2d 77   hark-lab s/HTTP-w
0050  69 72 65 73 68 61 72 6b  2d 66 69 6c 65 31 2e 68   ireshark -file1.h
0060  74 6d 6c 20 48 54 54 50  2f 31 2e 31 0d 0a 55 73   tml HTTP /1.1··Us
0070  65 72 2d 41 67 65 6e 74  3a 20 4d 6f 7a 69 6c 6c   er-Agent : Mozill
```

```
Header Length (ip.hdr_len), 1 byte    Packets: 142 · Displayed: 2 (1.4%) · Dropped: 0 (0.0%)    Profile: Default
```

Header Length is 20 bytes.

5. How many bytes are in the payload *of the IP datagram*? **Explain how you determined the number of payload bytes.**


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
Expression...
Type here to search
11:16 AM
3/17/2019

```
Destination      Protocol  Length Info
128.119.245.12   HTTP         503 GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
10.0.0.13        HTTP         540 HTTP/1.1 200 OK  (text/html)
```

```
> Ethernet II, Src: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8), Dst: Intel_80:00:00 (00:50:f1:80:00:00)
v Internet Protocol Version 4, Src: 10.0.0.13, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 489
    Identification: 0x4de1 (19937)
  v Flags: 0x4000, 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: 0x2b9d [validation disabled]
    [Header checksum status: Unverified]
    Source: 10.0.0.13
    Destination: 128.119.245.12
```

Payload = total - header
489 - 20 = 469

```
0060  74 6d 6c 20 48 54 54 50  2f 31 2e 31 0d 0a 55 73   tml HTTP /1.1··Us
0070  65 72 2d 41 67 65 6e 74  3a 20 4d 6f 7a 69 6c 6c   er-Agent : Mozill
0080  61 2f 35 2e 30 20 28 57  69 6e 64 6f 77 73 20 4e   a/5.0 (W indows N
0090  54 20 31 30 2e 30 3b 20  57 69 6e 36 34 3b 20 78   T 10.0;  Win64; x
00a0  36 34 29 20 41 70 70 6c  65 57 65 62 4b 69 74 2f   64) Appl eWebKit/
00b0  35 33 37 2e 33 36 20 28  4b 48 54 4d 4c 2c 20 6c   537.36 ( KHTML, l
00c0  69 6b 65 20 47 65 63 6b  6f 29 20 43 68 72 6f 6d   ike Geck o) Chrom
00d0  65 2f 36 34 2e 30 2e 33  32 38 32 2e 31 34 30 20   e/64.0.3 282.140
```

```
This packet will be responded in the packet with this number (http.response_in)    Packets: 142 · Displayed: 2 (1.4%) · Dropped: 0 (0.0%)    Profile: Default
```

Payload of the IP datagram is 489 – 20 = 469 bytes. (HTTP message length = 469 – 20 = 449 bytes)

```
No.     Time               Source                Destination           Protocol Length Info
     78 10:51:16.544984    10.0.0.13             128.119.245.12        HTTP     503    GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1 
Frame 78: 503 bytes on wire (4024 bits), 503 bytes captured (4024 bits) on interface 0
    Interface id: 0 (\Device\NPF_{87ECFDF9-CA2E-4423-8880-E5CB87989374})
        Interface name: \Device\NPF_{87ECFDF9-CA2E-4423-8880-E5CB87989374}
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar 17, 2019 10:51:16.544984000 Eastern Daylight Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1552834276.544984000 seconds
    [Time delta from previous captured frame: 0.008776000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 8.493986000 seconds]
    Frame Number: 78
    Frame Length: 503 bytes (4024 bits)
    Capture Length: 503 bytes (4024 bits)
    [Frame is marked: False]
    [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: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8), Dst: Intel_80:00:00 (00:50:f1:80:00:00)
    Destination: Intel_80:00:00 (00:50:f1:80:00:00)
        Address: Intel_80:00:00 (00:50:f1:80:00:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8)
        Address: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8)
        .... ..1. .... .... .... .... = LG bit: Locally administered address (this is NOT the factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.0.0.13, 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: 489
    Identification: 0x4de1 (19937)
    Flags: 0x4000, 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: 0x2b9d [validation disabled]
    [Header checksum status: Unverified]
    Source: 10.0.0.13
    Destination: 128.119.245.12
Transmission Control Protocol, Src Port: 55367, Dst Port: 80, Seq: 1, Ack: 1, Len: 449
    Source Port: 55367
    Destination Port: 80
    [Stream index: 12]
    [TCP Segment Len: 449]
    Sequence number: 1    (relative sequence number)
    [Next sequence number: 450    (relative sequence number)]
    Acknowledgment number: 1    (relative ack number)
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Nonce: Not set
        .... 0... .... = Congestion Window Reduced (CWR): 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 size value: 1024
    [Calculated window size: 262144]
    [Window size scaling factor: 256]
    Checksum: 0xfcfd [unverified]
    [Checksum Status: Unverified]
    Urgent pointer: 0
    [SEQ/ACK analysis]
        [iRTT: 0.032121000 seconds]
        [Bytes in flight: 449]
        [Bytes sent since last PSH flag: 449]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.040897000 seconds]
        [Time since previous frame in this TCP stream: 0.008776000 seconds]
    TCP payload (449 bytes)
Hypertext Transfer Protocol
    GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n]
```

```
            [GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Request Method: GET
        Request URI: /wireshark-labs/HTTP-wireshark-file1.html
        Request Version: HTTP/1.1
    User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.140 Safari/537.36 Edge/
17.17134\r\n
    Accept-Language: zh-Hans-CN,zh-Hans;q=0.8,en-US;q=0.5,en;q=0.3\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
    Upgrade-Insecure-Requests: 1\r\n
    Accept-Encoding: gzip, deflate\r\n
    Host: gaia.cs.umass.edu\r\n
    Connection: Keep-Alive\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html]
    [HTTP request 1/1]
    [Response in frame: 85]
No.     Time               Source                Destination           Protocol Length Info
     85 10:51:16.593307    128.119.245.12        10.0.0.13             HTTP      540   HTTP/1.1 200 OK  (text/html)
Frame 85: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface 0
    Interface id: 0 (\Device\NPF_{87ECFDF9-CA2E-4423-8880-E5CB87989374})
        Interface name: \Device\NPF_{87ECFDF9-CA2E-4423-8880-E5CB87989374}
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar 17, 2019 10:51:16.593307000 Eastern Daylight Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1552834276.593307000 seconds
    [Time delta from previous captured frame: 0.015788000 seconds]
    [Time delta from previous displayed frame: 0.048323000 seconds]
    [Time since reference or first frame: 8.542309000 seconds]
    Frame Number: 85
    Frame Length: 540 bytes (4320 bits)
    Capture Length: 540 bytes (4320 bits)
    [Frame is marked: False]
    [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: Intel_80:00:00 (00:50:f1:80:00:00), Dst: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8)
    Destination: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8)
        Address: 9e:43:a0:a9:83:e8 (9e:43:a0:a9:83:e8)
        .... ..1. .... .... .... .... = LG bit: Locally administered address (this is NOT the factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: Intel_80:00:00 (00:50:f1:80:00:00)
        Address: Intel_80:00:00 (00:50:f1:80:00:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.0.0.13
    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: 526
    Identification: 0xd465 (54373)
    Flags: 0x4000, 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: 48
    Protocol: TCP (6)
    Header checksum: 0xf4f3 [validation disabled]
    [Header checksum status: Unverified]
    Source: 128.119.245.12
    Destination: 10.0.0.13
Transmission Control Protocol, Src Port: 80, Dst Port: 55367, Seq: 1, Ack: 450, Len: 486
    Source Port: 80
    Destination Port: 55367
    [Stream index: 12]
    [TCP Segment Len: 486]
    Sequence number: 1    (relative sequence number)
    [Next sequence number: 487    (relative sequence number)]
    Acknowledgment number: 450    (relative ack number)
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Nonce: Not set
        .... 0... .... = Congestion Window Reduced (CWR): 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 size value: 237
    [Calculated window size: 30336]
    [Window size scaling factor: 128]
    Checksum: 0x6fc3 [unverified]
    [Checksum Status: Unverified]
    Urgent pointer: 0
    [SEQ/ACK analysis]
        [iRTT: 0.032121000 seconds]
        [Bytes in flight: 486]
        [Bytes sent since last PSH flag: 486]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.089220000 seconds]
        [Time since previous frame in this TCP stream: 0.015788000 seconds]
    TCP payload (486 bytes)
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [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
        [Status Code Description: OK]
        Response Phrase: OK
    Date: Sun, 17 Mar 2019 14:51:14 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
    Last-Modified: Sun, 17 Mar 2019 05:59:02 GMT\r\n
    ETag: "80-58443f80117c8"\r\n
    Accept-Ranges: bytes\r\n
    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
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.048323000 seconds]
    [Request in frame: 78]
    File Data: 128 bytes
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
```