

Terminal IP

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

Wireless LAN adapter Local Area Connection* 1:

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 . :
Link-local IPv6 Address . . . . : fe80::b087:a5f0:8826:6b52%13
IPv4 Address. . . . . : 192.168.200.8 ←
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.200.1

Ethernet adapter Bluetooth Network Connection 2:

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

C:\Users\sauga>
```

Question 1: My IP address is 192.168.200.8

Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

http

No.	Time	Source	Destination	Protocol	Length	Info
4788	2019-03-15 14:21:59.667638	192.168.200.8	68.67.179.11	HTTP	848	GET /vevent?referrer=http%3A%2F%2Fwww.msn.com%2F%3Fcobrand%3Ddell117win10.msn.com%26ocid%3DDELLDHP17%26pc%3D...
4790	2019-03-15 14:21:59.683065	68.67.179.11	192.168.200.8	HTTP	729	HTTP/1.1 200 OK
4800	2019-03-15 14:21:59.696531	192.168.200.8	124.146.215.5	HTTP	504	GET /aux/idsync?proto=appnexus_ssp HTTP/1.1
4817	2019-03-15 14:21:59.726126	192.168.200.8	54.246.129.36	HTTP	564	GET /map/ext/api/trackingcallback/v1?accessToken=appnexus-user-sync HTTP/1.1
4820	2019-03-15 14:21:59.733783	104.119.102.24	192.168.200.8	HTTP	631	HTTP/1.1 302 Moved Temporarily
4822	2019-03-15 14:21:59.735153	99.84.98.144	192.168.200.8	HTTP	463	HTTP/1.1 200 OK (GIF89a)
4843	2019-03-15 14:21:59.742596	192.168.200.8	128.119.245.12	HTTP	365	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
4846	2019-03-15 14:21:59.750486	99.84.104.122	192.168.200.8	HTTP	755	HTTP/1.1 200 OK (GIF89a)
4856	2019-03-15 14:21:59.757198	128.119.245.12	192.168.200.8	HTTP	540	HTTP/1.1 200 OK (text/html)
4861	2019-03-15 14:21:59.839470	54.246.129.36	192.168.200.8	HTTP	517	HTTP/1.1 302
4866	2019-03-15 14:21:59.848580	192.168.200.8	68.67.179.27	HTTP	404	GET /setuid?entity=422&code=e2c4fa03-6712-4123-8cdc-c85da1d51375&seg=11511922 HTTP/1.1
4873	2019-03-15 14:21:59.876858	68.67.179.27	192.168.200.8	HTTP	97	HTTP/1.1 200 OK (GIF89a)
4877	2019-03-15 14:21:59.877882	124.146.215.5	192.168.200.8	HTTP	912	HTTP/1.1 302 Found
4882	2019-03-15 14:21:59.882846	192.168.200.8	68.67.179.27	HTTP	389	GET /setuid?entity=417&code=W3n7NsCo4XIAAFss36AAAAA HTTP/1.1
4888	2019-03-15 14:21:59.928677	68.67.179.27	192.168.200.8	HTTP	97	HTTP/1.1 200 OK (GIF89a)
4976	2019-03-15 14:22:00.024405	192.168.200.8	40.114.54.223	HTTP	97	GET /c_giff?rid=167a830c4bd542b0acb0fd6faa1f56ca&cts=1552674120005&idx=6&clid=3C73453A16A763490C594E79177B62...
5095	2019-03-15 14:22:00.104360	104.119.102.24	192.168.200.8	HTTP	287	GET /f6a1f56ca&cts=1552674120005&idx=6&clid=3C73453A16A763490C594E79177B62...

> Frame 4843: 365 bytes on wire (2920 bits), 365 bytes captured (2920 bits) on interface 0

> Ethernet II, Src: IntelCor_47:b8:32 (acd:5c:47:b8:32), Dst: Verizon_d0:13:e4 (20:c0:47:d0:13:e4)

> Internet Protocol Version 4, Src: 192.168.200.8, Dst: 128.119.245.12

> Transmission Control Protocol, Src Port: 64013, Dst Port: 80, Seq: 1, Ack: 1, Len: 311

> Hypertext Transfer Protocol

```

0000  20 c0 47 d0 13 e4 ac ed 5d 47 b8 32 08 00 45 00  .G...G.2..E-
0010  01 5f 3a e8 40 00 80 06 c0 7b c0 a8 c8 08 80 77  _: @...{.....w
0020  f5 0c fa 0d 00 50 f9 f9 f0 5a dd ba 23 13 50 18  ....P...Z...#P-
0030  04 00 92 67 00 00 47 45 54 20 2f 77 69 72 65 73  ..g..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 00 0a 41 63  tml HTTP /1.1 .Ac
0070  63 65 70 74 3a 20 74 65 78 74 2f 68 74 6d 6c 2c  cept: te xt/html,
0080  20 61 70 70 6c 69 63 61 74 69 6f 6e 2f 78 68 74  applica tion/xht

```

wireshark_87882E4A-EB88-48D4-BDFB-137D7C3D83D8_20190315142147_a14860.pcapng

Packets: 5295 · Displayed: 307 (5.8%) · Dropped: 0 (0.0%)

Profile: Default

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Question 2: The total length of the datagram is 351.

Wi-Fi

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http

No.	Time	Source	Destination	Protocol	Length	Info
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4817	2019-03-15 14:21:59.726126	192.168.200.8	54.246.129.36	HTTP	564	GET /map/ext/api/trackingcallback/v1?accessToken=appnexus-user-sync HTTP/1.1
4820	2019-03-15 14:21:59.733783	104.119.102.24	192.168.200.8	HTTP	631	HTTP/1.1 302 Moved Temporarily
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4866	2019-03-15 14:21:59.848580	192.168.200.8	68.67.179.27	HTTP	404	GET /setuid?entity=422&code=e2c4fa03-6712-4123-8cdc-c85da1d51375&seg=11511922 HTTP/1.1
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4877	2019-03-15 14:21:59.877882	124.146.215.5	192.168.200.8	HTTP	912	HTTP/1.1 302 Found
4882	2019-03-15 14:21:59.882846	192.168.200.8	68.67.179.27	HTTP	389	GET /setuid?entity=417&code=W3n7NsCo4XIAAFss36AAAAA HTTP/1.1
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4976	2019-03-15 14:22:00.024405	192.168.200.8	40.114.54.223	HTTP	97	GET /c.gif?rid=167a830c4bd542b0acb0f6faa1f56ca&cts=1552674120005&idx=6&clid=3C73453A16A763490C594E79177B62...

Internet Protocol Version 4, Src: 192.168.200.8, 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: 351

Identification: 0x3ae8 (15080)

> Flags: 0x4000, Don't fragment

Time to live: 128

Protocol: TCP (6)

Header checksum: 0xc07b [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.200.8

0000 20 c0 47 d0 13 e4 ac ed 5c 47 b8 32 08 00 45 00 ..G... \G.20 E-

0010 01 5f 3a e8 40 00 80 06 c0 7b c0 a8 c8 08 80 77 _:_@...: {.....w

0020 f5 0c fa 0d 00 50 f9 f9 f0 5a dd ba 23 13 50 18P...:Z...#P-

0030 04 00 92 67 00 00 47 45 54 20 2f 77 69 72 65 73 ..g..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 00 0a 41 63 tml HTTP /1.1 .Ac

0070 63 65 70 74 3a 20 74 65 78 74 2f 68 74 6d 6c 2c cept: te xt/html,

0080 20 61 70 70 6c 69 63 61 74 69 6f 6e 2f 78 68 74 applica tion/xht

wireshark_87882E4A-EB88-48D4-BDFB-13707C3D83D8_20190315142147_a14860.pcapng

Packets: 5295 · Displayed: 307 (5.8%) · Dropped: 0 (0.0%)

Profile: Default

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Question 3: It is not fragmented because as shown, the more fragmented = 0

*Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

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4843	2019-03-15 14:21:59.742596	192.168.200.8	128.119.245.12	HTTP	365	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
4846	2019-03-15 14:21:59.750486	99.84.104.122	192.168.200.8	HTTP	755	HTTP/1.1 200 OK (GIF89a)
4856	2019-03-15 14:21:59.757198	128.119.245.12	192.168.200.8	HTTP	540	HTTP/1.1 200 OK (text/html)
4861	2019-03-15 14:21:59.839470	54.246.129.36	192.168.200.8	HTTP	517	HTTP/1.1 302
4866	2019-03-15 14:21:59.848580	192.168.200.8	68.67.179.27	HTTP	404	GET /setuid?entity=422&code=e2c4fa03-6712-4123-8cdc-c85da1d51375&seg=11511922 HTTP/1.1
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[Protocols in frame: eth:ethertype:ip:tcp:http]

[Coloring Rule Name: HTTP]

[Coloring Rule String: http || tcp.port == 80 || http2]

> Ethernet II, Src: IntelCor_47:b8:32 (ac:ed:5c:47:b8:32), Dst: Verizon_d0:13:e4 (20:c0:47:d0:13:e4)

Internet Protocol Version 4, Src: 192.168.200.8, 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: 351

Identification: 0x3ae8 (15080)

0000 20 c0 47 d0 13 e4 ac ed 5c 47 b8 32 08 00 45 00 ..G.... \G-2..E-

0010 01 5f 3a e8 40 00 80 06 c0 7b c0 a8 c8 08 80 77 .: @... :{.....w

0020 f5 0c fa 0d 00 50 f9 f9 f0 5a dd ba 23 13 50 18P... :Z...#P-

0030 04 00 92 67 00 00 47 45 54 20 2f 77 69 72 65 73 ..g..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 00 0a 41 63 tml HTTP /1.1..Ac

0070 63 65 70 74 3a 20 74 65 78 74 2f 68 74 6d 6c 2c cept: te xt/html,

0080 20 61 70 70 6c 69 63 61 74 69 6f 6e 2f 78 68 74 applica tion/xht

wireshark_87882E4A-EB88-48D4-BDFB-137D7C3D83D8_20190315142147_a14860.pcapng

Packets: 5295 · Displayed: 307 (5.8%) · Dropped: 0 (0.0%)

Profile: Default

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