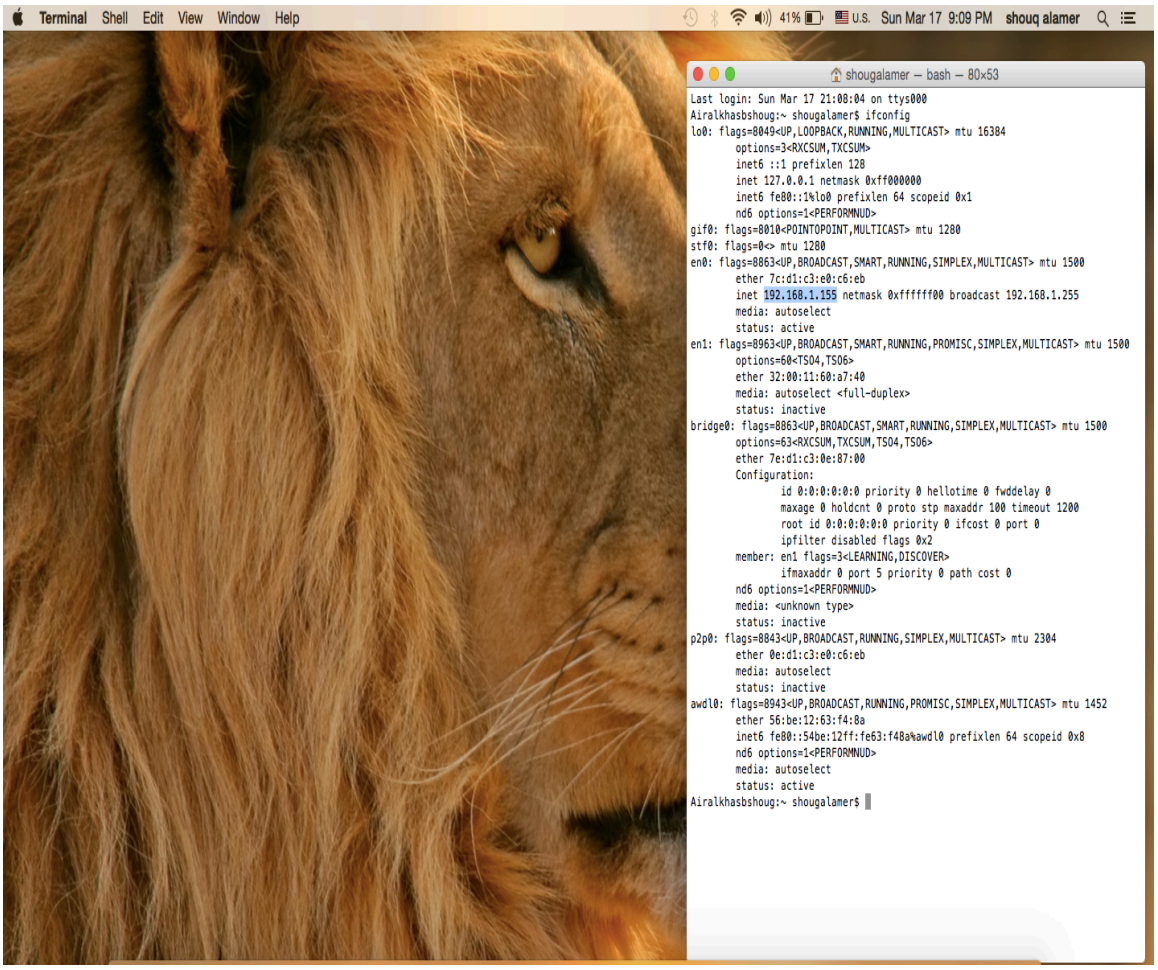
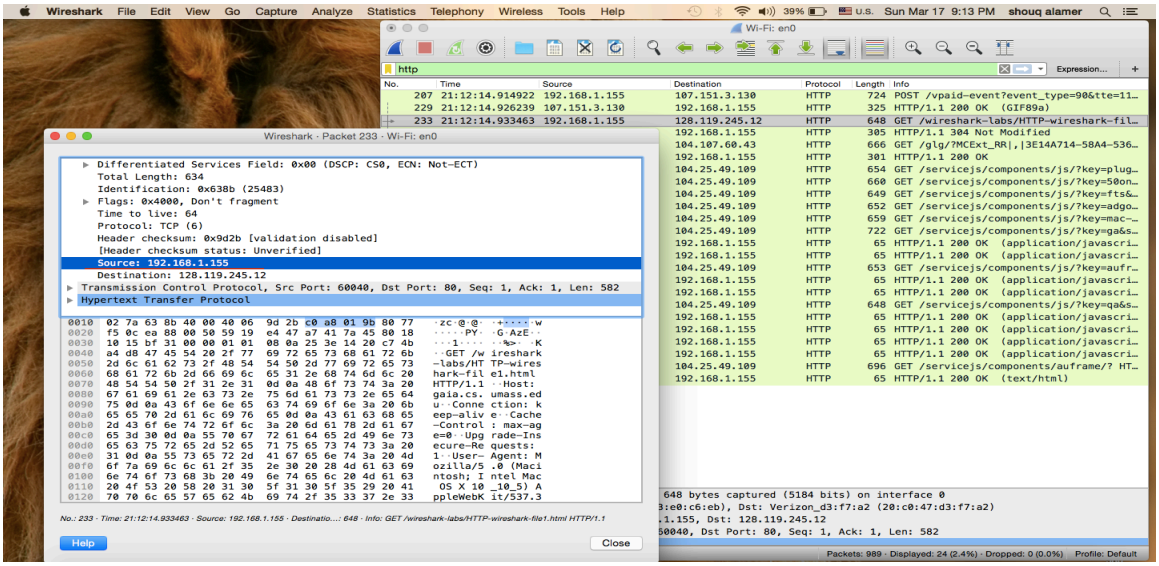

Terminal Shell Edit View Window Help
41% U.S. Sun Mar 17 9:09 PM shouq alamer
shougalamer — bash — 80×53
Last login: Sun Mar 17 21:08:04 on ttys000
Airalkhasbshoug:~ shougalamer$ ifconfig
lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
options=3<RXCSUM,TXCSUM>
inet6 ::1 prefixlen 128
inet 127.0.0.1 netmask 0xff000000
inet6 fe80::1%lo0 prefixlen 64 scopeid 0x1
nd6 options=1<PERFORMNUD>
gif0: flags=8010<POINTOPOINT,MULTICAST> mtu 1280
stf0: flags=0<> mtu 1280
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
ether 7c:d1:c3:e0:c6:eb
inet 192.168.1.155 netmask 0xffffff00 broadcast 192.168.1.255
media: autoselect
status: active
en1: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
options=60<TSO4,TSO6>
ether 32:00:11:60:a7:40
media: autoselect <full-duplex>
status: inactive
bridge0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
options=63<RXCSUM,TXCSUM,TSO4,TSO6>
ether 7e:d1:c3:0e:87:00
Configuration:
id 0:0:0:0:0:0 priority 0 hellotime 0 fwddelay 0
maxage 0 holdcnt 0 proto stp maxaddr 100 timeout 1200
root id 0:0:0:0:0:0 priority 0 ifcost 0 port 0
ipfilter disabled flags 0x2
member: en1 flags=3<LEARNING,DISCOVER>
ifmaxaddr 0 port 5 priority 0 path cost 0
nd6 options=1<PERFORMNUD>
media: <unknown type>
status: inactive
p2p0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 2304
ether 0e:d1:c3:e0:c6:eb
media: autoselect
status: inactive
awdl0: flags=8943<UP,BROADCAST,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1452
ether 56:be:12:63:f4:8a
inet6 fe80::54be:12ff:fe63:f48a%awdl0 prefixlen 64 scopeid 0x8
nd6 options=1<PERFORMNUD>
media: autoselect
status: active
Airalkhasbshoug:~ shougalamer$

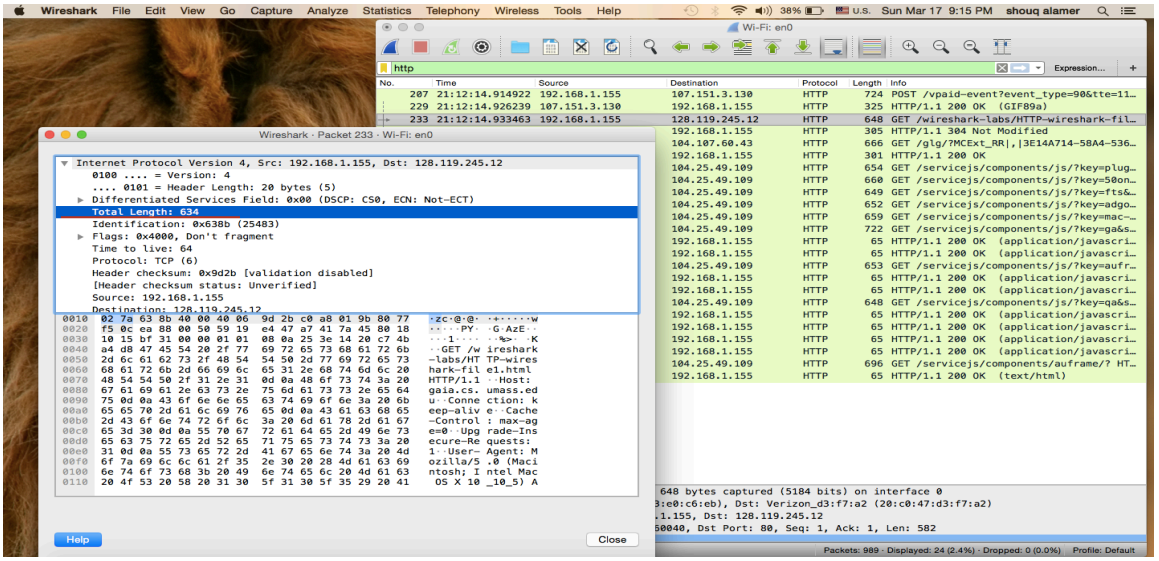
1. **What is the IP address of your computer? – Wireshark screenshot not, Terminal**

192.168.1.155



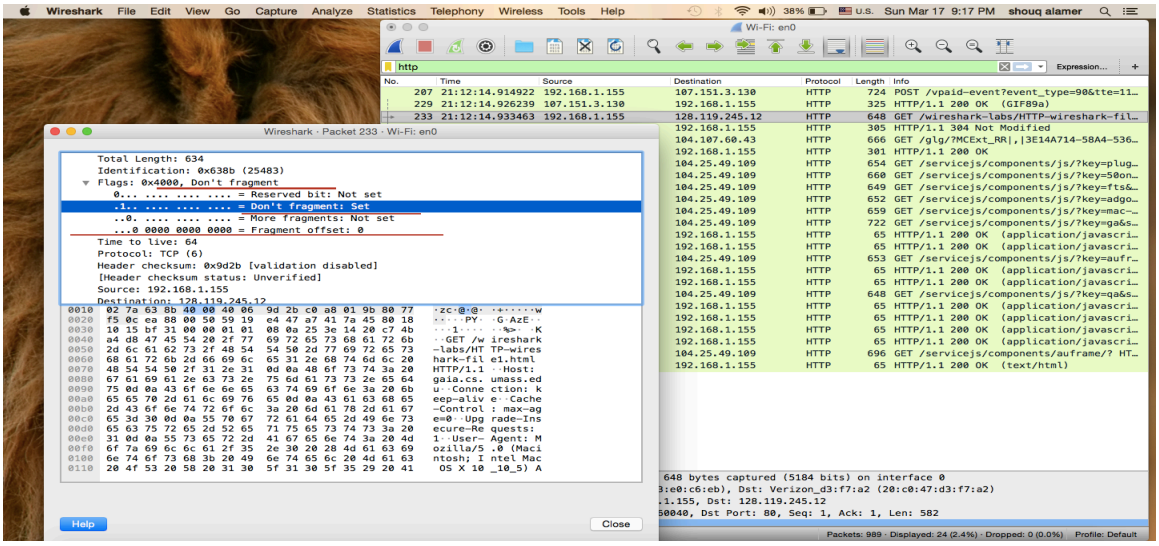
2. **What is the total length of the datagram?**

634



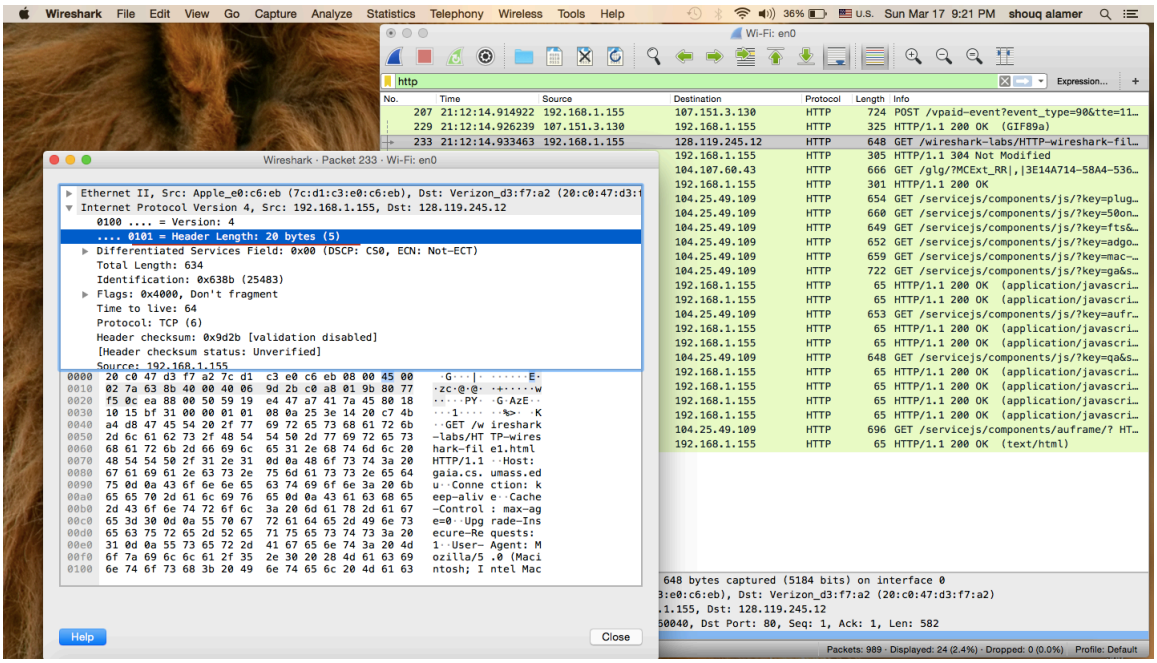
3. Has this IP datagram been fragmented?

No



4. How many bytes are in the IP header?

20 bytes



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

614

Total Length – Header Length = Payload bytes

634 – 20 = 614

Confirming that 582 + 32 = 614