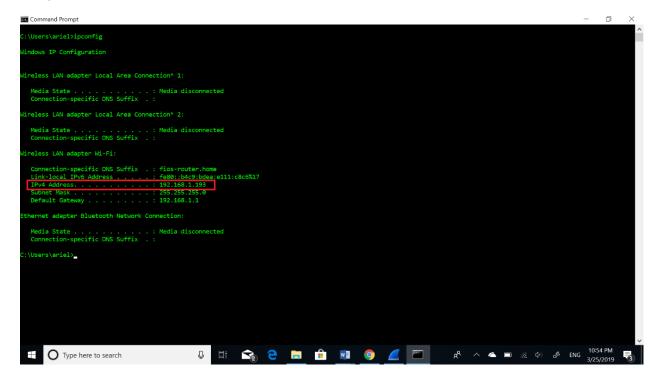
Instructions:

- Clear your browser history, and visit: http://gaia.cs.umass.edu/wireshark-labs/HTTPethereal-lab file3.html (your browser should display the US Bill of Rights)
- Using Wireshark, capture the packets. Remember to start, then visit webpage, and then stop. We are going to analyze Ethernet frames.
- (For each of these questions, take a screenshot of Wireshark, and attach it to your answer) Questions without Full Screenshot will not be graded. A lab submission template is available on canvas. Your screenshot should indicate the time and date on your computer.
- Include a terminal screenshot showing your computer IP address on the front page before Question 1, and a full PRINT of the HTTP OK message as the last page. Lab will NOT be graded if either of these two is missing.

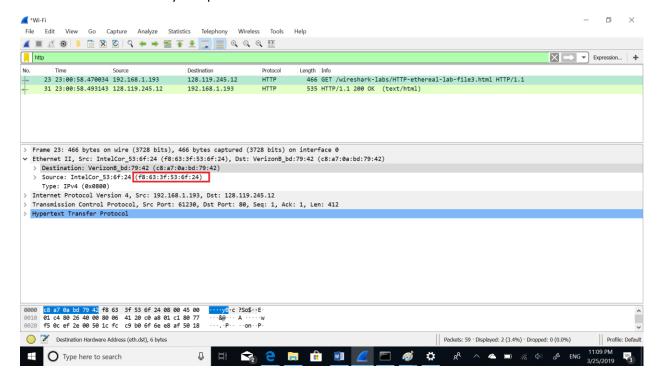
Questions:

Computer IP: 192.168.1.193



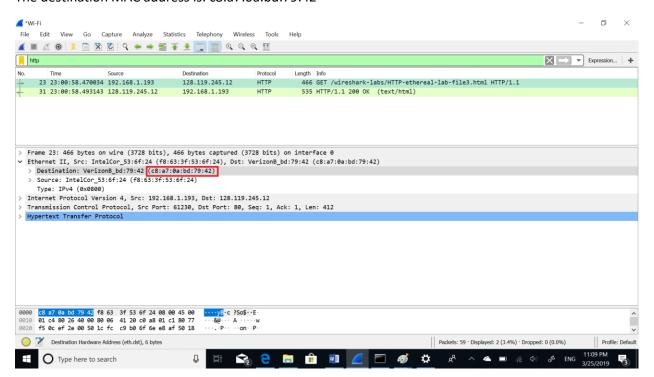
1. What is the MAC address from your computer?

The MAC address from my computer is: f8:63:3f:53:6f:24



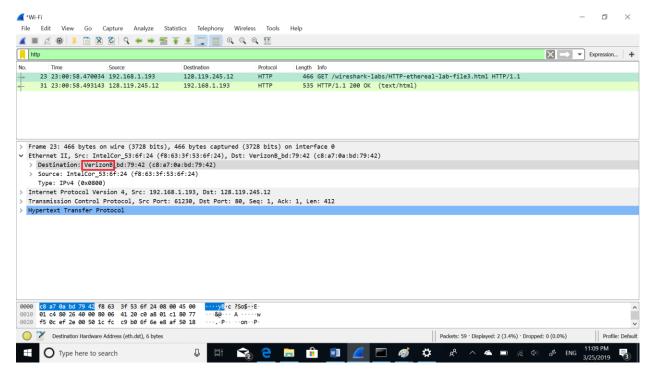
2. What is the destination MAC address?

The destination MAC address is: c8:a7:0a:bd:79:42



3. What device has the MAC address shown in the destination?

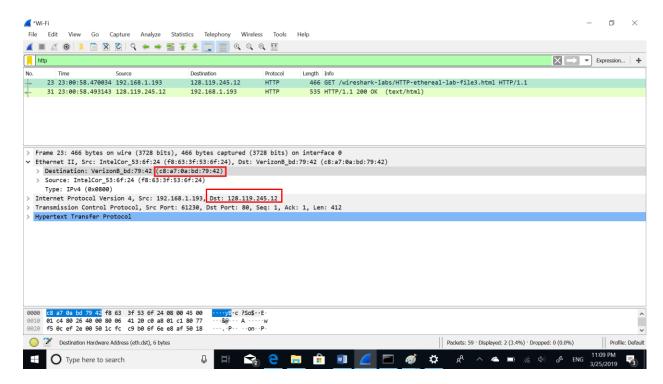
The device that has the MAC address shown in the destination is the router/switch that connects the internal network (house) with the external network (Internet). In this case, this device has been provided by the Internet service provider, Verizon.



4. Explain the relationship between the destination MAC address and the destination IP address.

The destination IP address is used to transport data from the source to the destination using TCP/IP protocol. The destination MAC address is used to deliver the data to the right device on the network.

In other words, my router has a unique IP address assigned by my Internet Service Provider. The devices connected to my router have a unique MAC address. The IP address gets the data to my router and then my router forwards it to the right device.



5. Using the terminal (cmd in Windows, Terminal in mac), run a command to display your full ARP list table. (Find out what the command is, and print a full screen shot of your result.)

