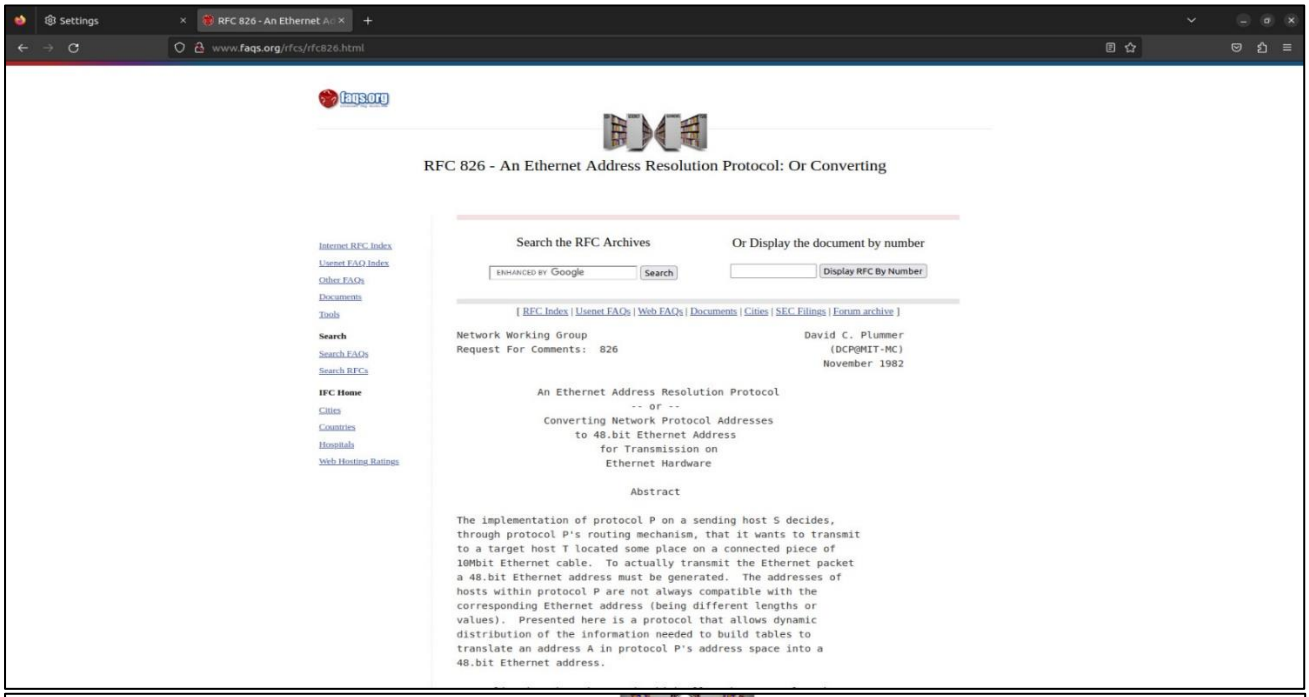
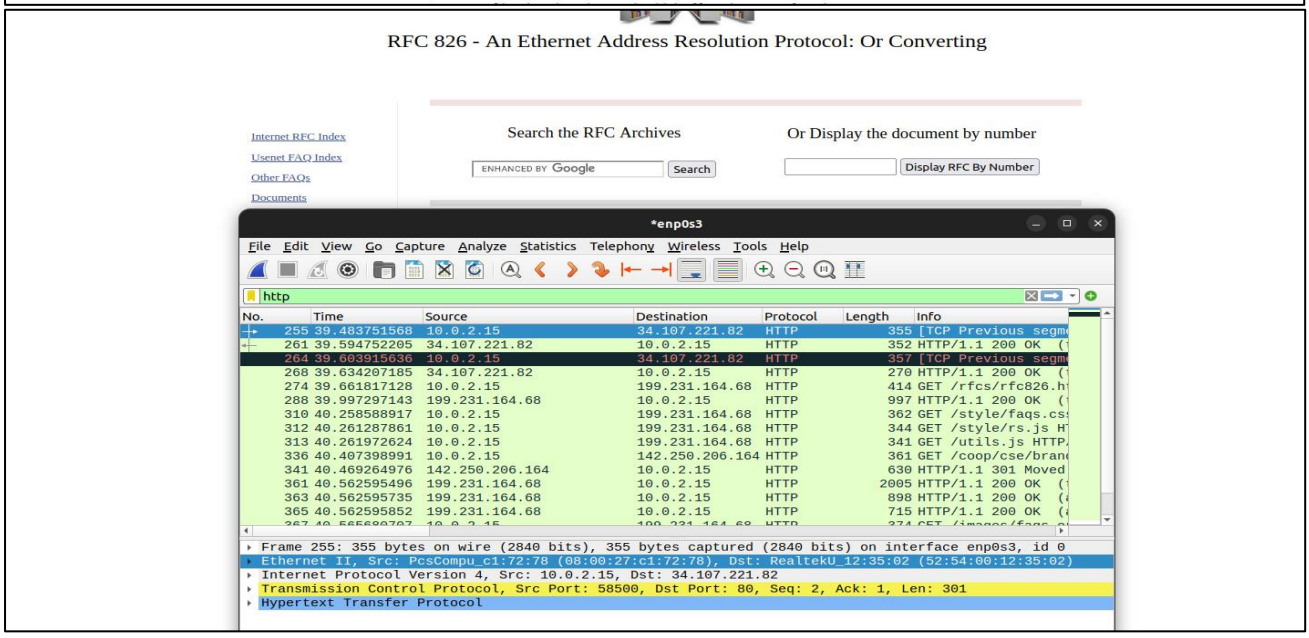
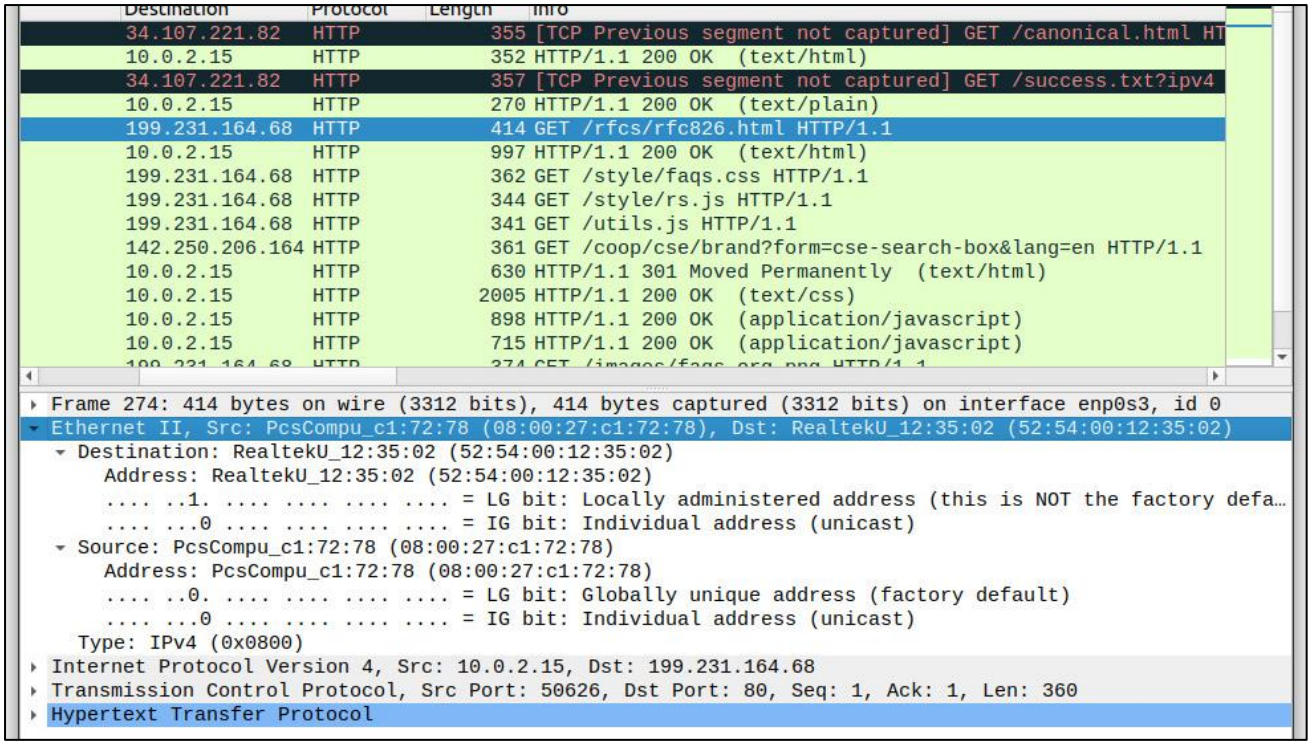
CN ASSIGNMENT 3

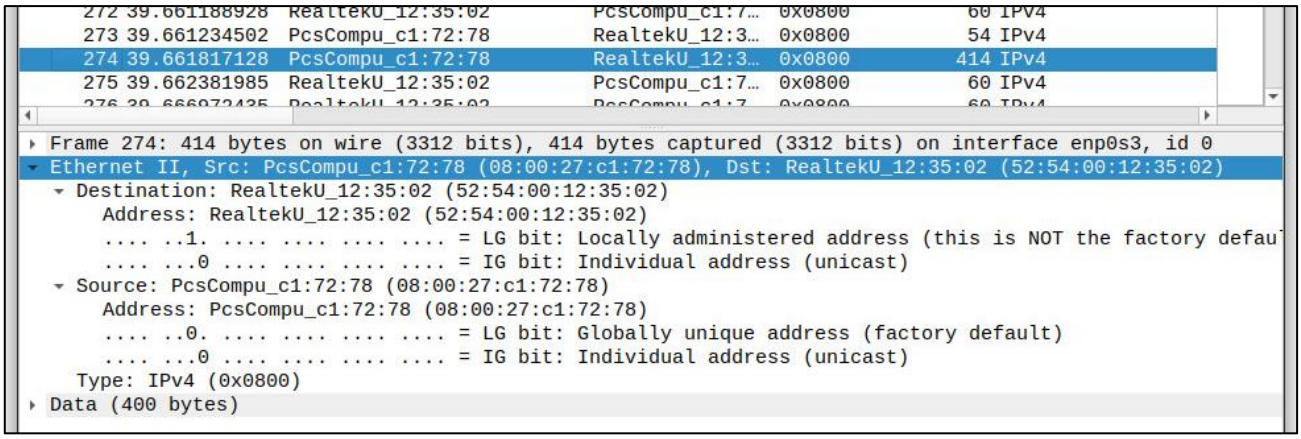
Aim: Investigate the Ethernet protocol and the ARP protocol.

Find the packet numbers (the leftmost column in the upper Wireshark window) of the HTTP GET message that was sent from your computer to the URL above, as well as the beginning of the HTTP response message sent to your computer.
You should see a screen that looks something like this (where the selected in the screen shot below contains the HTTP GET message)









1. What is the 48-bit Ethernet address of your computer?

08:00:27:c1:72:78

2. What is the 48-bit destination address in the Ethernet frame? Is this the Ethernet address of the website with the RFC? (Hint: the answer is no). What device has this as its Ethernet address?

52:54:00:12:35:02

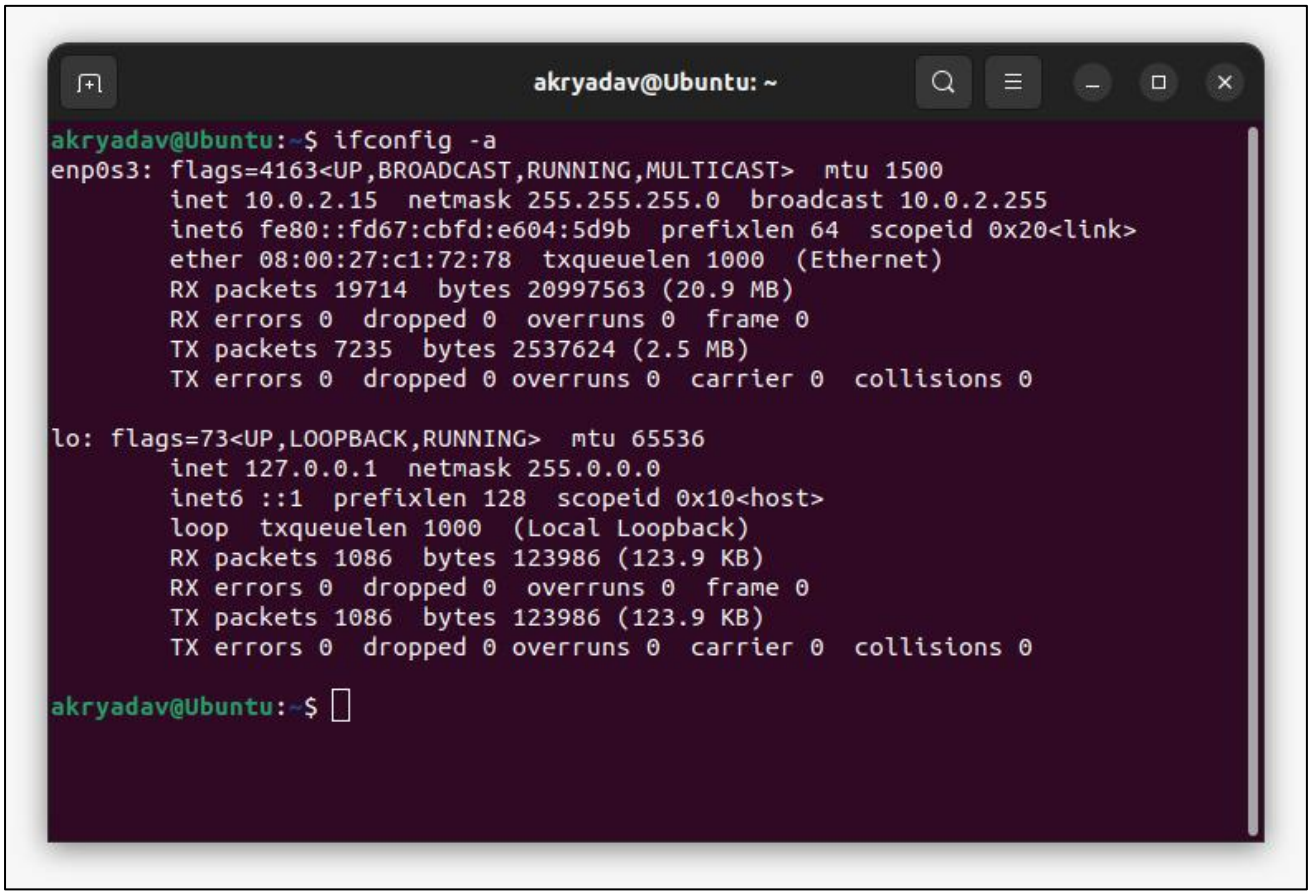
3. What is the frame number?

274

4. What is the frame type?

IPv4 (0x0800)

5. Verify the ethernet address of the computer matches with that showed on ifconfig.



6. Use arp to find the mac address of the gateway or the router that you are connected with.