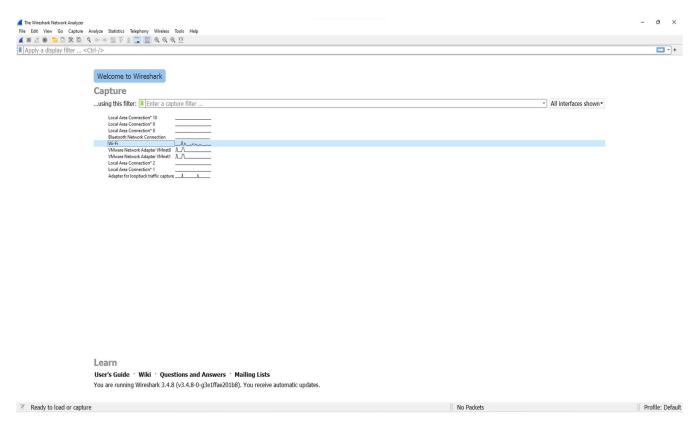
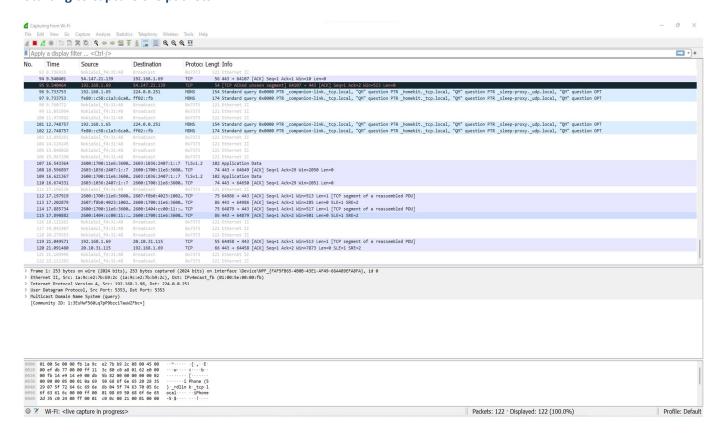
Packet Capture using Wireshark

This is a project where I captured the packets using Wireshark and analyzed different protocols. At the end of this project, I entered my **credentials** in a testing website which uses http protocol and captured that packet to **reveal** the entered credentials. I have analyzed captured packets, packet details and bytes.

Picking correct interface from all the interfaces available in Wireshark. I selected Wi-Fi



Starting to capture the packets

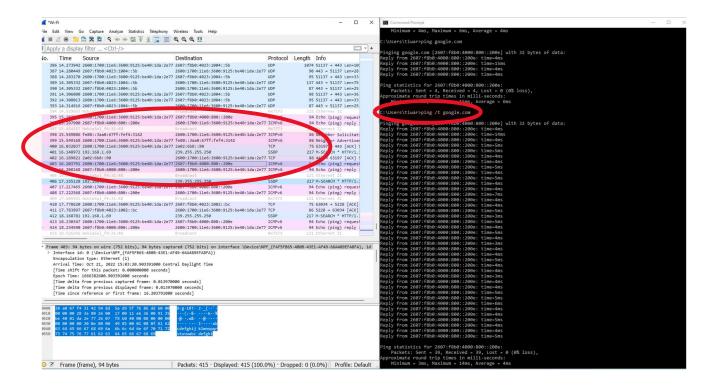


Getting the Ip address of the router using CMD with ipconfig command and pinging it to see the ICMP packets in Wireshark.

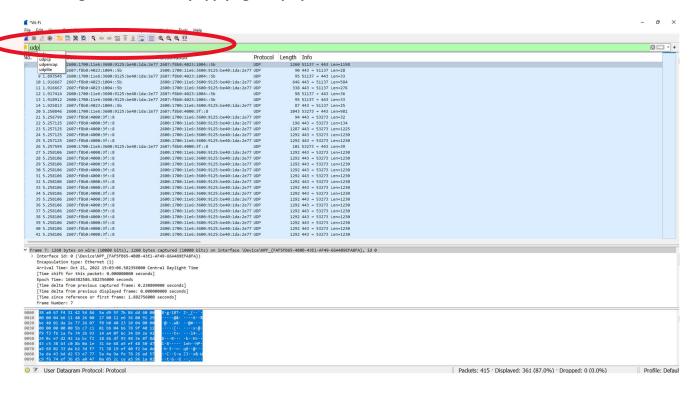
You can see the source address of your router. It uses ICMP after pinging.



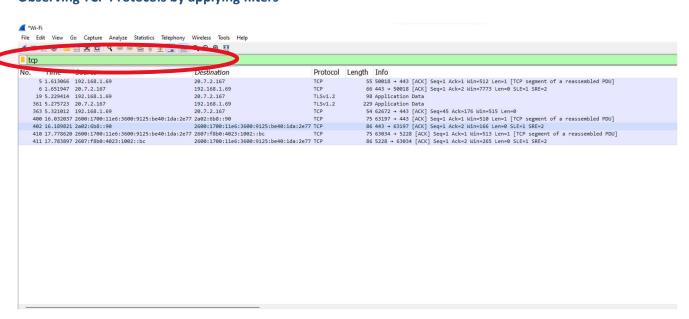
Pinging googles to see the details of some packets

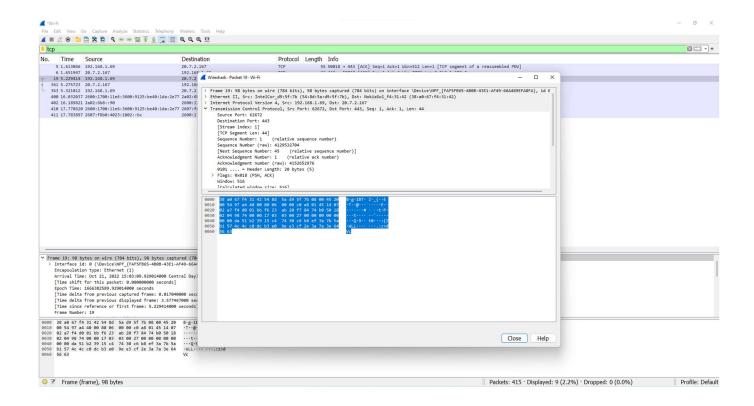


Observing UDP Protocols by applying a display filter

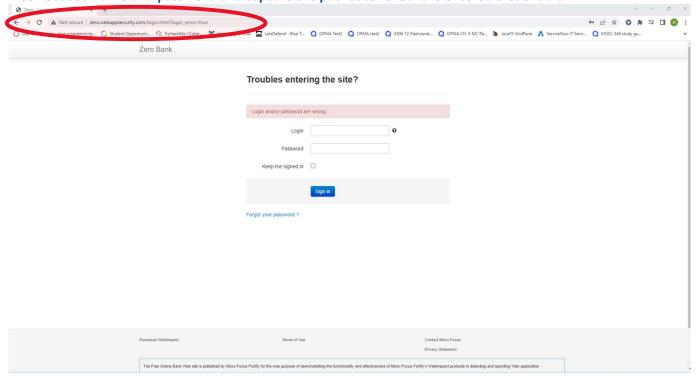


Observing TCP Protocols by applying filters

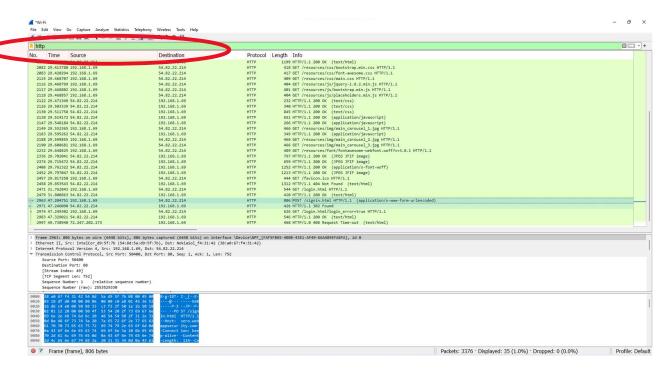




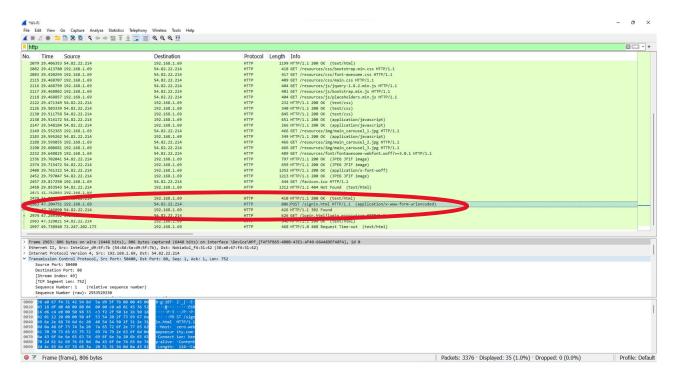
Logging in to zero.webappsecurity.com. This website uses http protocol which is not secure. I will try to login with the incorrect username and password and capture the packet to reveal the entered credentials.



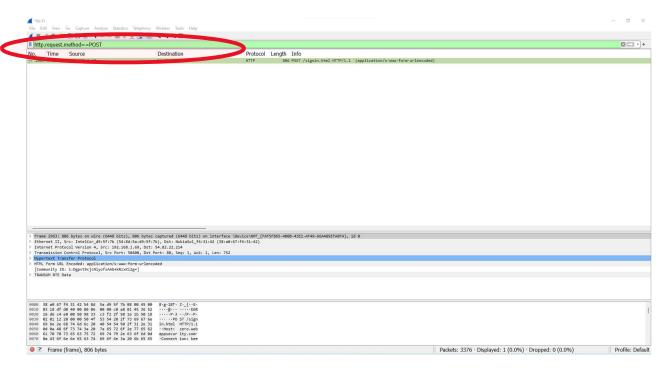
Apply http only filter to see the http packets



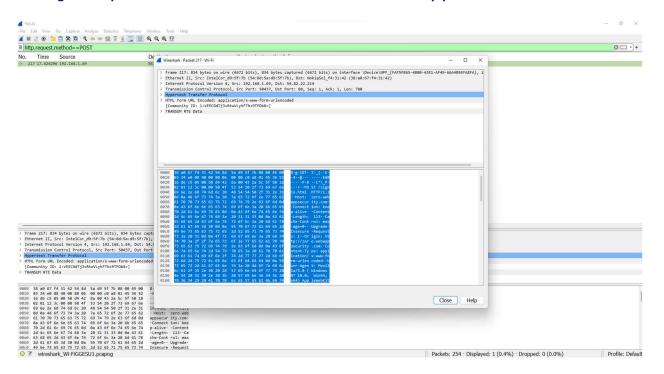
To view the credentials entered in the insecure website, look for POST method in Info column.



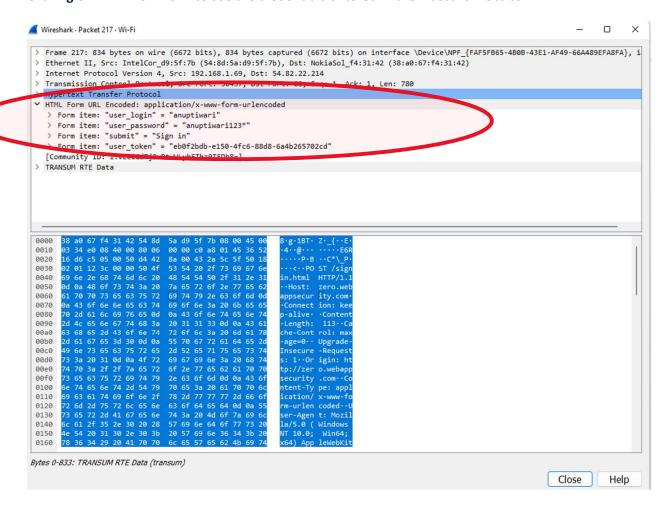
It can also be searched by typing http.request.method==POST



Clicking on the packet details to see more information about the http packet.



Clicking on HTML form URL to see the credentials entered in the insecure website.



Right click on POST method and click on Follow TCP or Http to see more detailed information.

