## **Computer Networks Lab (CS302)**

**Report Submission: CN Assignment Lab-2** 

**Group Members** 

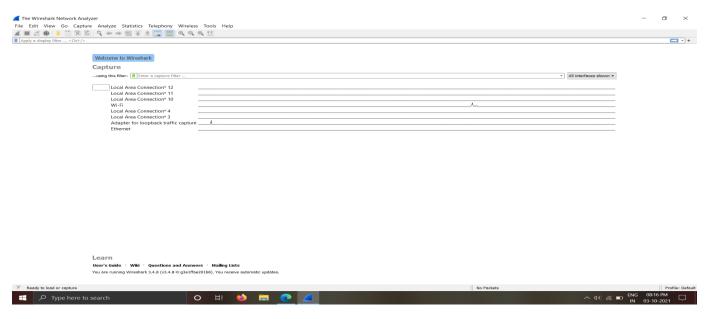
1.Mahadev M Hatti 191CS133

2.Darshan A V 191CS219

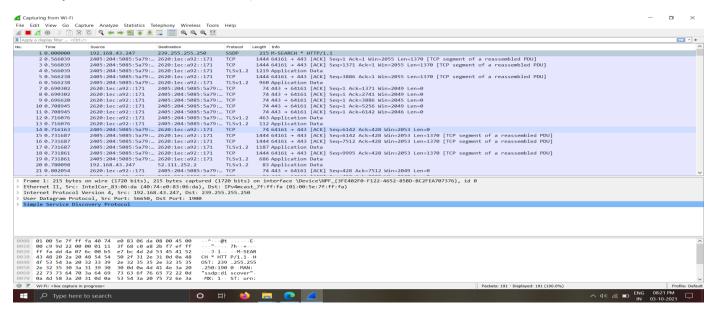
Question-5: Capture HTTP packets by visiting a HTTP Website, analyse the packets and significance of its various fields. Do the same for HTTPS packets and compare both

## Capture HTTP packets by visiting a HTTP Website:

1.In the below fig. selects the Wi-Fi option from the Interface list options.



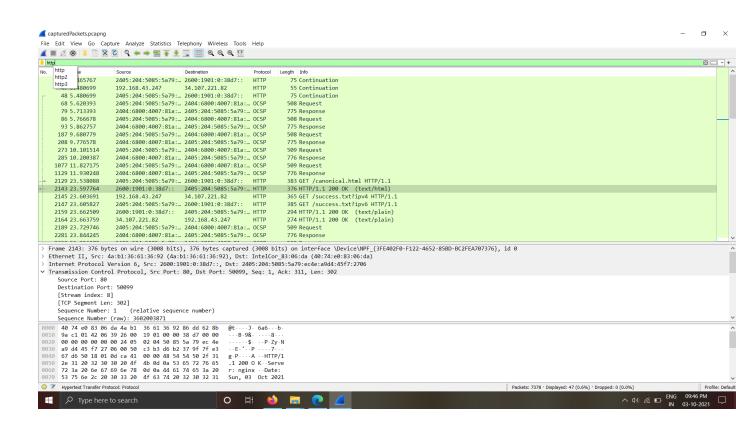
2.In the new window you can see all the current traffic on the network. (Clear cache – Before capturing the traffic, you need to clear your browser's cache.)



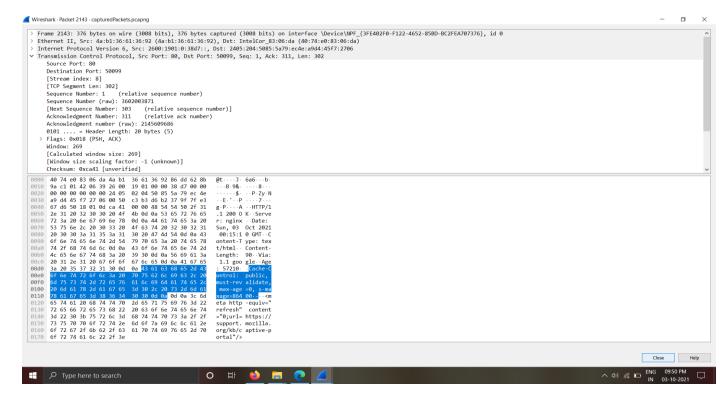
3.Use filter section to filter out Specific Packets related to http protocol.

From this Pane you can observe:

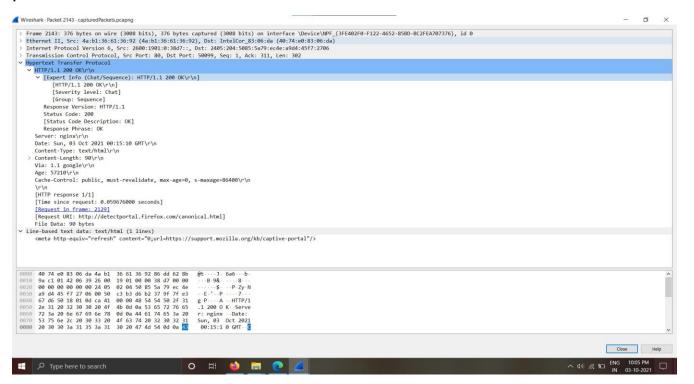
- No. The number of a captured packet.
- Time This shows you when the packet was captured with regards to when you started capturing.
- Source This is the origin of a captured packet in the form of an address.
- Destination The destination address of a captured packet.
- Protocol The type of a captured packet.
- Length This shows you the length of a captured packet. This is expressed in bytes.



4. Choose the packet you want to read. Double-click on it.

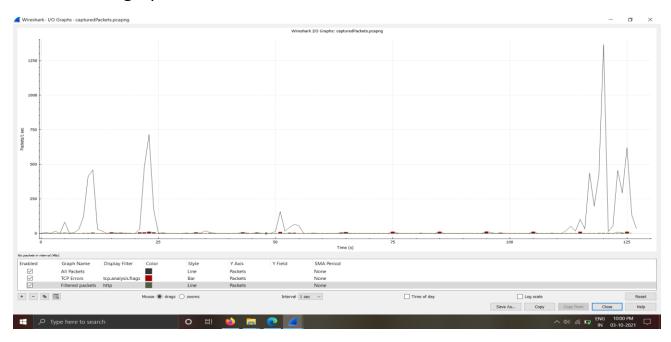


5. Here are some additional information from the captured http packet:



#### I/O GRAPHS:

It shows the graph for the network traffic.

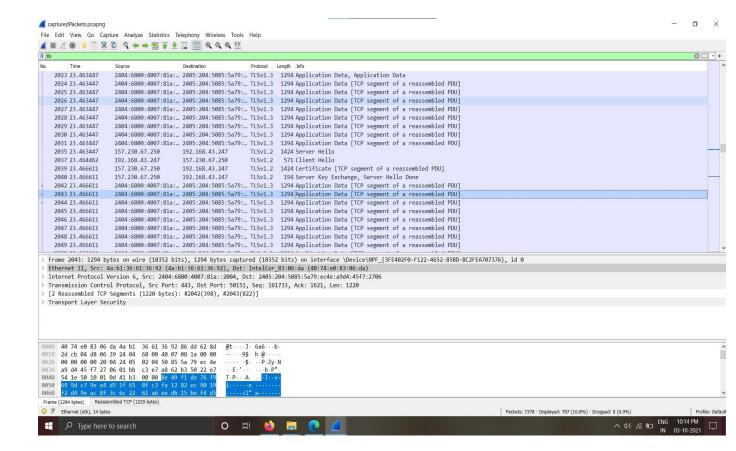


## Capture HTTPS packets:

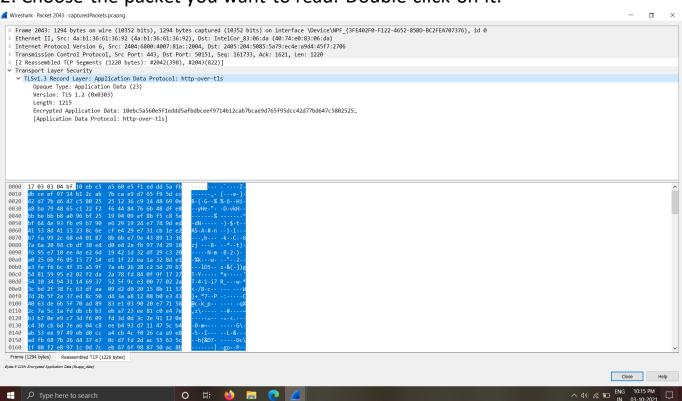
1.. Use filter section to filter out Specific Packets related to https protocol. (HTTPS means HTTP over TLS).

From this Pane you can observe:

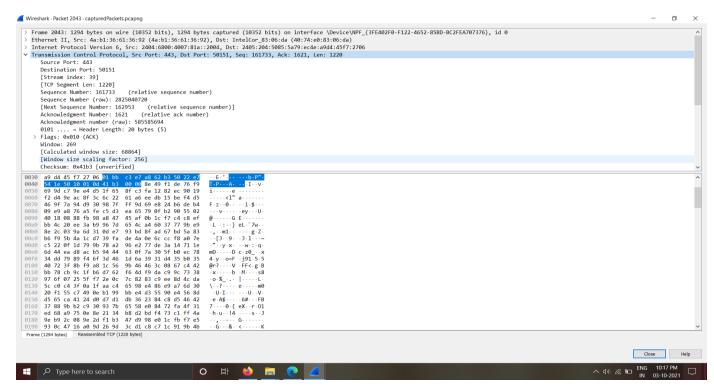
- No. The number of a captured packet.
- Time This shows you when the packet was captured with regards to when you started capturing.
- Source This is the origin of a captured packet in the form of an address.
- Destination The destination address of a captured packet.
- Protocol The type of a captured packet.
- Length This shows you the length of a captured packet. This is expressed in bytes.



### 2. Choose the packet you want to read. Double-click on it.



# 3. Here are some additional information from the captured http packet:



#### I/O GRAPHS:

It shows the graph for the network traffic.

