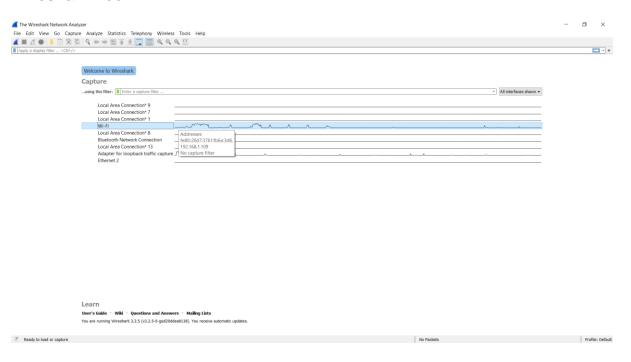


# School of Information Technology and Engineering Lab Assessment-III, AUGUST 2020 B.Tech., Fall-2020-2021

NAME	PRIYAL BHARDWAJ
REG. NO.	18BIT0272
COURSE CODE	CSE3501
COURSE NAME	INFORMATION SECURITY ANALYSIS & AUDIT
SLOT	L19+L20
FACULTY	Prof. THANDEESWARAN R.

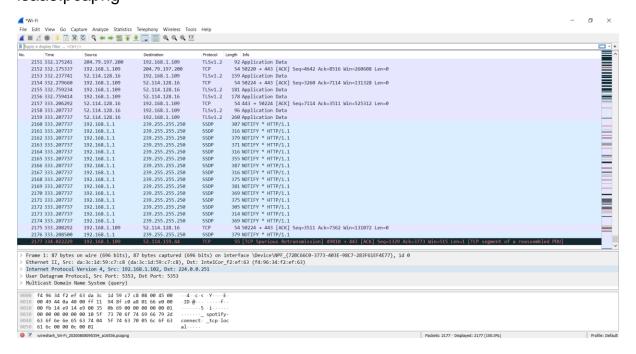
Using Wireshark, Capture live traffic, store it in a \*.pcapng and perform the following tasks:

#### Wireshark Tool:



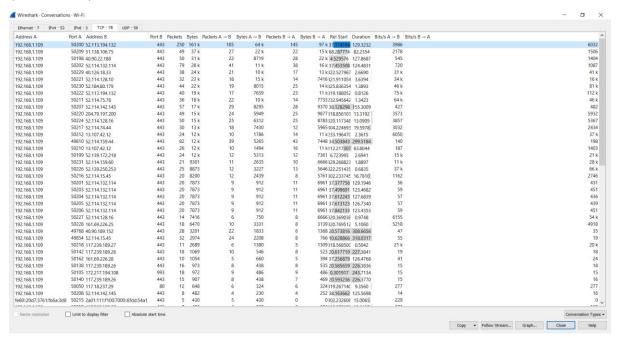
#### Wi-Fi:

## isaa3.pcapng



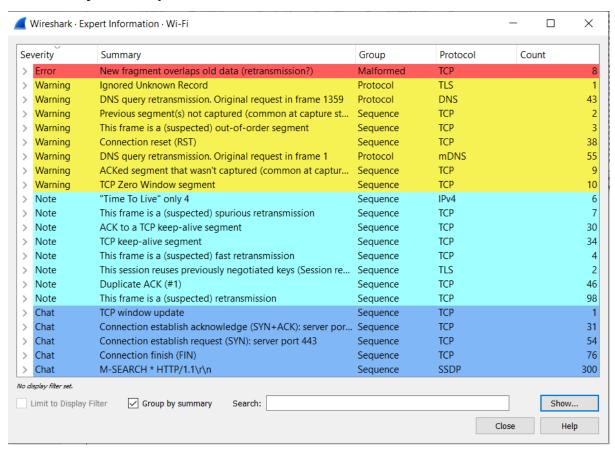
1: Filter the most Active TCP connection.

Go to **Statistics** → **Conversations** → **TCP**; then **sort by Bytes** in descending order 192.168.1.109 (Address A) has the most active TCP connection with 52.113.194.132 (Address B).



2: Analyse TCP Errors and prepare a detailed report.

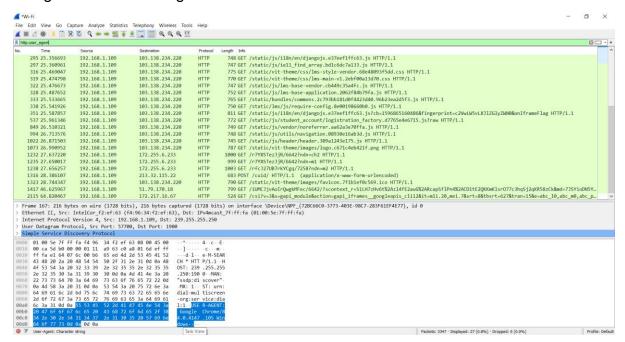
#### Go to Analyse → Expert Information



3: Identify the user agents are being used on your network.

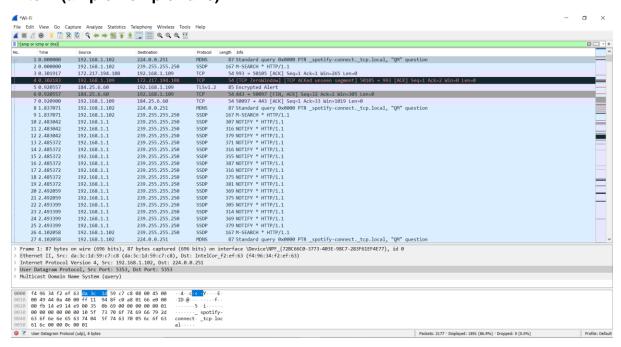
### Filter: http.user\_agent

Google Chrome is using the network.



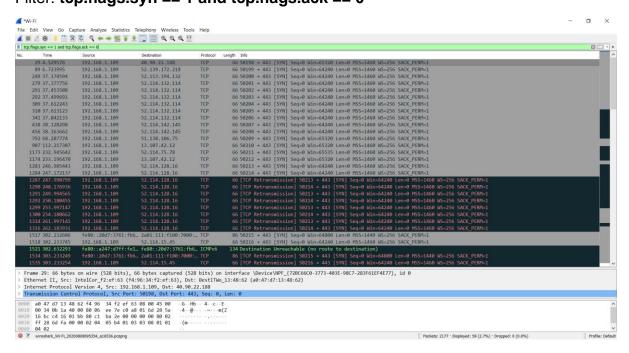
4: Filter background network noise.

#### Filter: !(amp or icmp or dns)



## 5: Detect Possible DDoS attacks.

## Filter: tcp.flags.syn == 1 and tcp.flags.ack == 0



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