

COMPUTER NETWORKS AND SECURITY LABORATORY

Assignment No. 13



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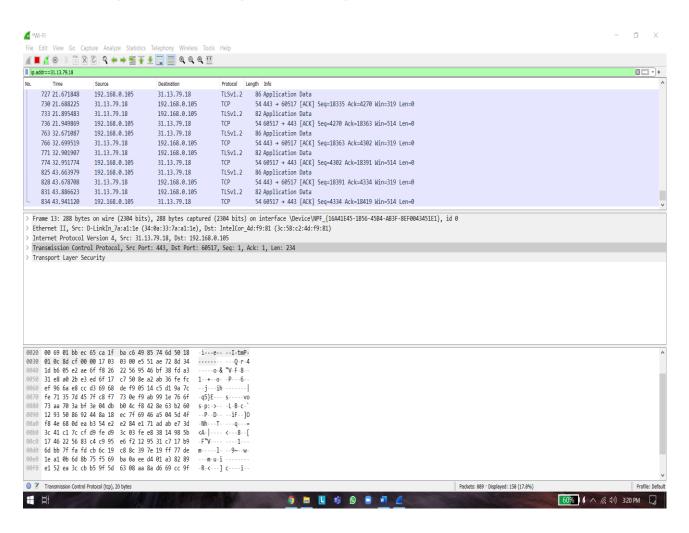
ROLL NO. :- TACO19108

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Ques :- Capture packets using Wireshark, write the exact packet capture filter expressions to accomplish the following and save the output in file :

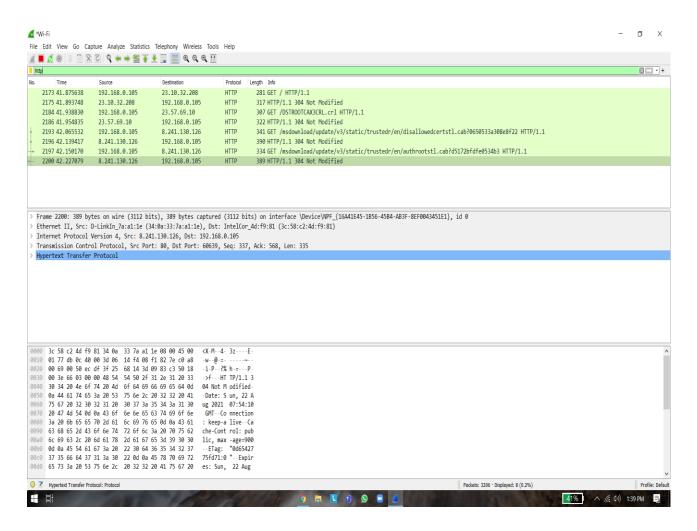
1. Capture all TCP traffic to/from Facebook, during the time when you log in to your Facebook account

Solution:Packet capture filter expression: ip.addr==31.13.79.18



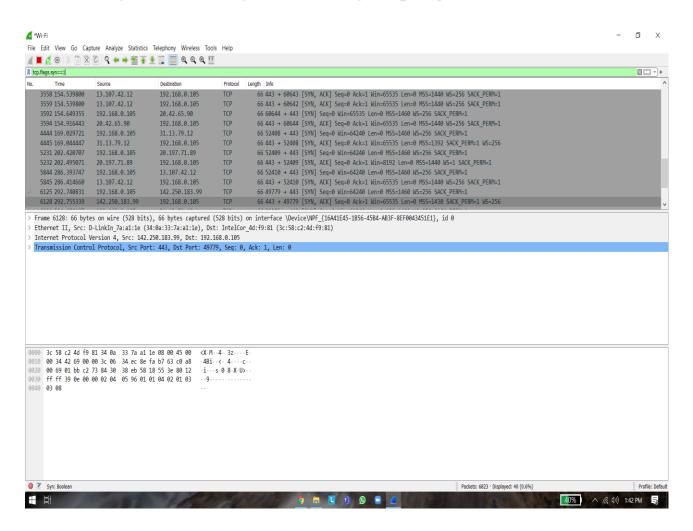
2. Capture all HTTP traffic to/from Facebook, when you log in to your Facebook account

Solution :- Packet capture filter expression : http

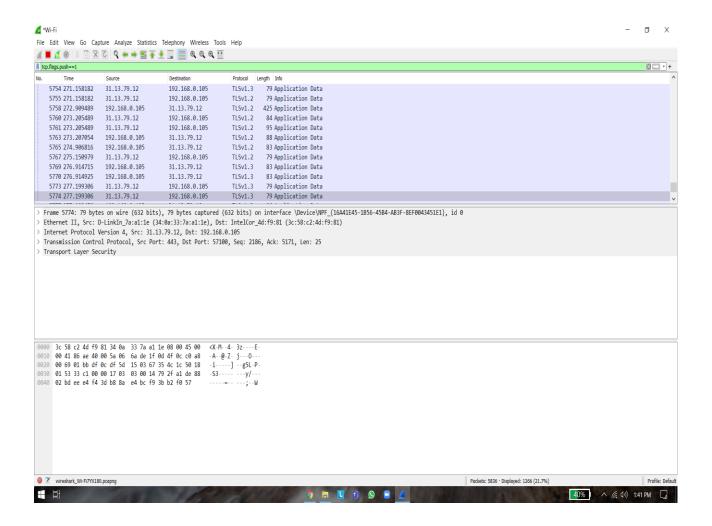


3. Write a DISPLAY filter expression to count all TCP packets (captured under item #1) that have the flags SYN, PSH, and RST set. Show the fraction of packets that had each flag set.

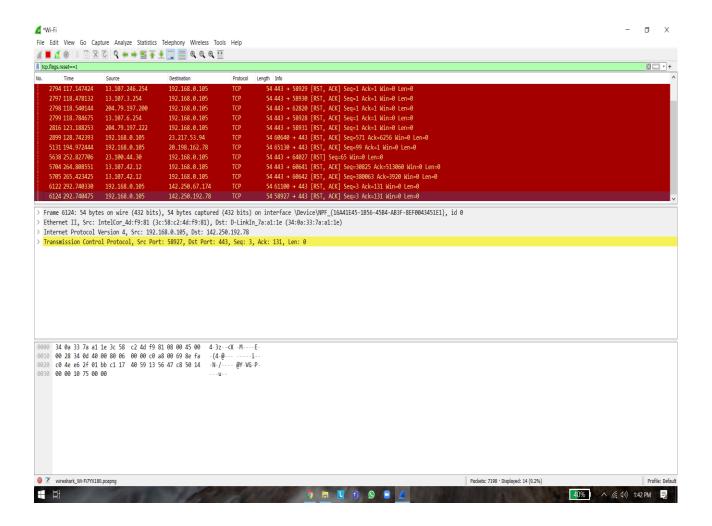
Solution :Packet capture filter expression : tcp.flags.syn==1



Packet capture filter expression: tcp.flags.push==1

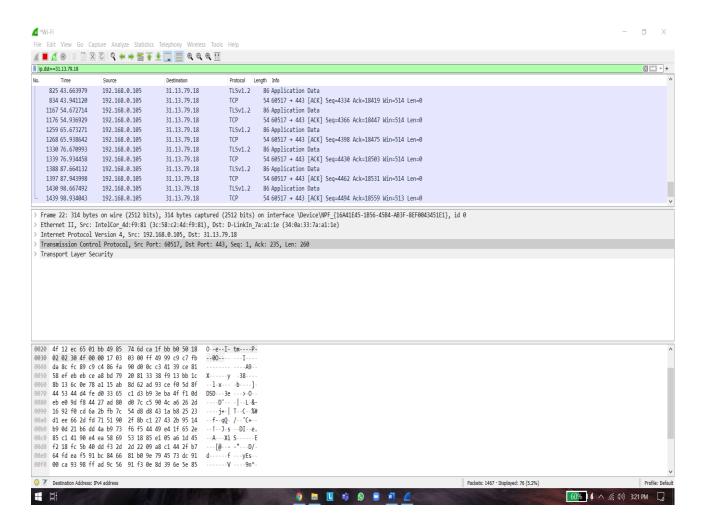


Packet capture filter expression : tcp.flags.reset==1



4. Count how many TCP packets you received from / sent to Face book, and how many of each were also HTTP packets.

Solution:Packet capture filter expression: ip.dst==31.13.79.18



Packet capture filter expression: ip.dst==192.168.0.105

