

Prac -6 Capture packets using Wireshark and accomplish the following and save the output in file:

- a. Capture all TCP traffic to/from Facebook, during the time when you log in to your Facebook account
- b. Capture all HTTP traffic to/from Facebook (other website), when you log in to our Facebook account
- c. 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.
- d. Count how many TCP packets you received from / sent to Facebook (other website), and how many of each were also HTTP packets.

- a) Tcp
- b) http
- c) • SYN packets: `tcp.flags.syn == 1`
- d) • PSH packets: `tcp.flags.push == 1`
- e) • RST packets: `tcp.flags.reset == 1`
- f) Count Fraction (%)= $\text{Displayed}/\text{Total TCP packet} \times 100$
- g) HTTP fraction (%)= $\text{HTTP packets}/\text{Total packets (TCP or all)} \times 100$