# Wireshark Practical

Practical no 10

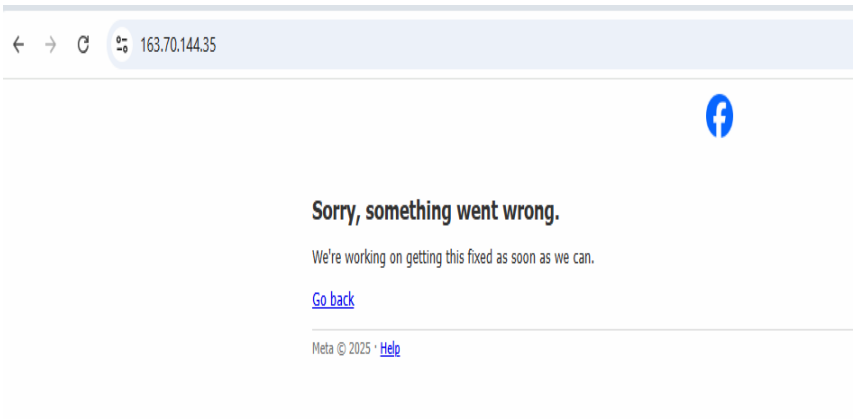
A. Capture all TCP traffic to/from Facebook, during the time when you log in to your Facebook account

MUST Create your own Facebook account

1. Open Wireshark on your system.
2. Select the active network interface (Ethernet or Wi-Fi).
3. Once selected, Wireshark will start capturing packets.
4. Log in to your Facebook account only after Wireshark is running.
5. Open the Command Prompt and run:

**ping facebook.com this will give you Facebook address**
**(eg for my machine 163.70.144.35 / 157.240.237.35)**

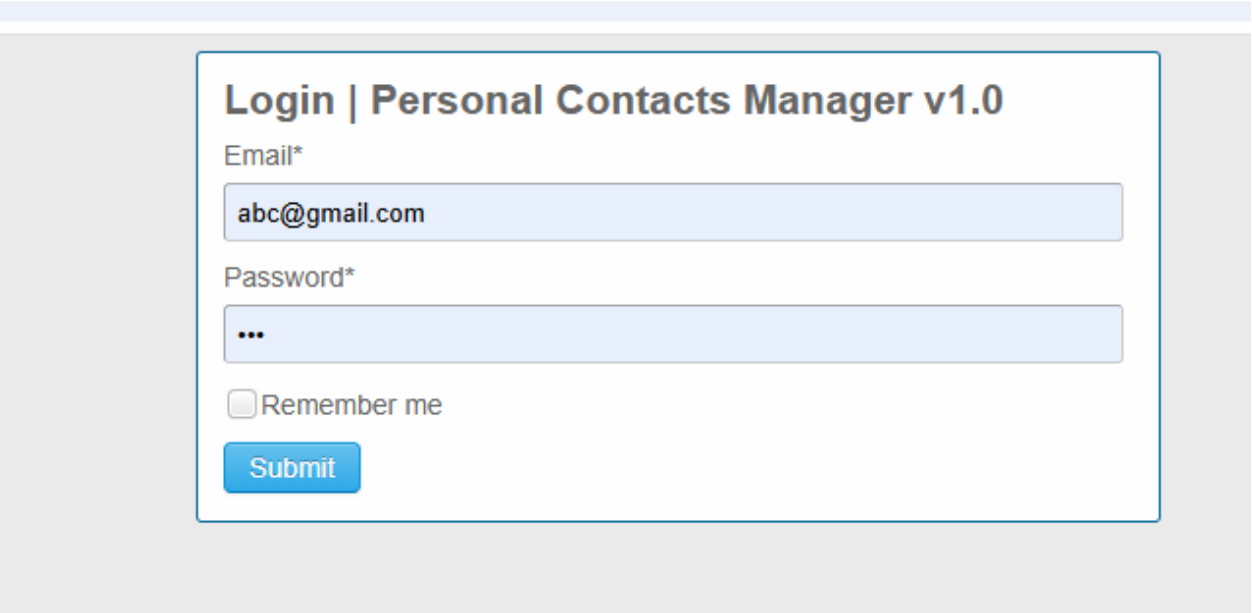
6. In Wireshark, apply a filter to capture only Facebook packets**:**
   **tcp && ip.addr == 163.70.144.35 (Facebook id)**
7. To verify, open your browser and enter the same IP address. If it opens Facebook, you know the captured packets belong to Facebook**.**




B. Capture all HTTP traffic to/from Facebook (other website), when you log in to your Facebook account

1. 1st you need to open http website like techpanda.org

2. you have to enter any sample email & enter password and click on submit




3. You will get

Dashboard | Personal Contacts Manager v1.0

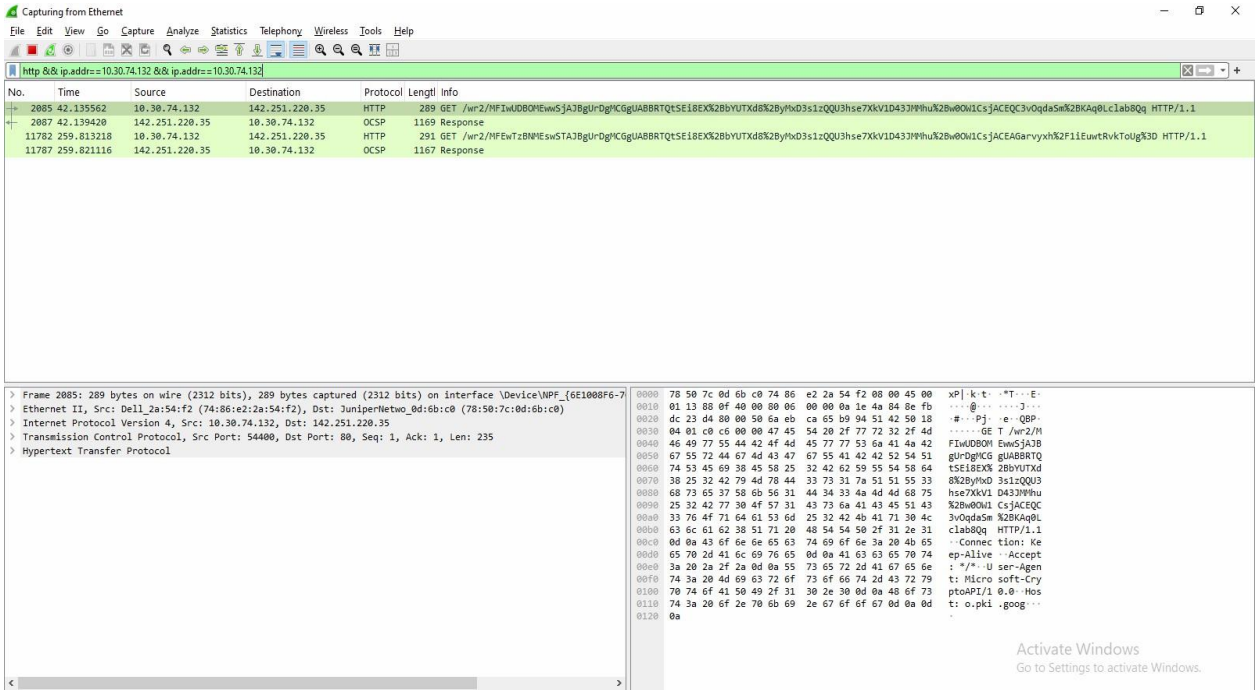
Add New Contact | Log Out

| ID | First Name | Last Name | Mobile No | Email | Actions |
|---|---|---|---|---|---|
| 1 | mynams | jenefry | 9898989898 | admin@gmail.com | |
| 99213 | asfe | liilhl | 13230842384 | admin@example.com | Edit |
| 99214 | shreya | shinde | 8999235684 | shrreyanb@gmail.com | Edit |
| 99215 | Bhupiiindra | JOGIIIII | 828282828282 | bhupjaaaaa2@jaa2.com | Edit |
| 99216 | Sandesh | Pawar | 9999999999 | sandesh@snapchat.com | Edit |
| 99217 | Yash | Pawar | 9658741230 | yash16@gmail.com | Edit |
| 99218 | protagonist | netent | 946987582315 | admin@google.com | Edit |
| 99219 | anurag | Satav | 0000000000 | admin@google.com | Edit |
| 99220 | j | s | 123 | j@gmail.com | Edit |
| 99221 | jy | sh | 456 | js@gmail.com | Edit |
| 99222 | Jack | Sparrow | 0987654321 | Captain@gmail.com | Edit |
| 99223 | ksjbdck | sdvcS | 65846345435 | abc@gmail.com | Edit |
| 99224 | Jaaxfgnb rmtdgsncv wswjodw1 | aq | zsGTRY | hiray@info.com | Edit |
| 99225 | tgfse | Patel | 73839903 | sheikhnamra42@gmail.com | Edit |
| 99226 | soooo | hammmm | 5465891265 | admin@google.com | Edit |
| 99227 | Dark | lewis | 1234567 | admin@xyz.com | Edit |

Total Records Count: 16

3. Open cmd and give command  and ping techpanda.org then you will get connectivity with

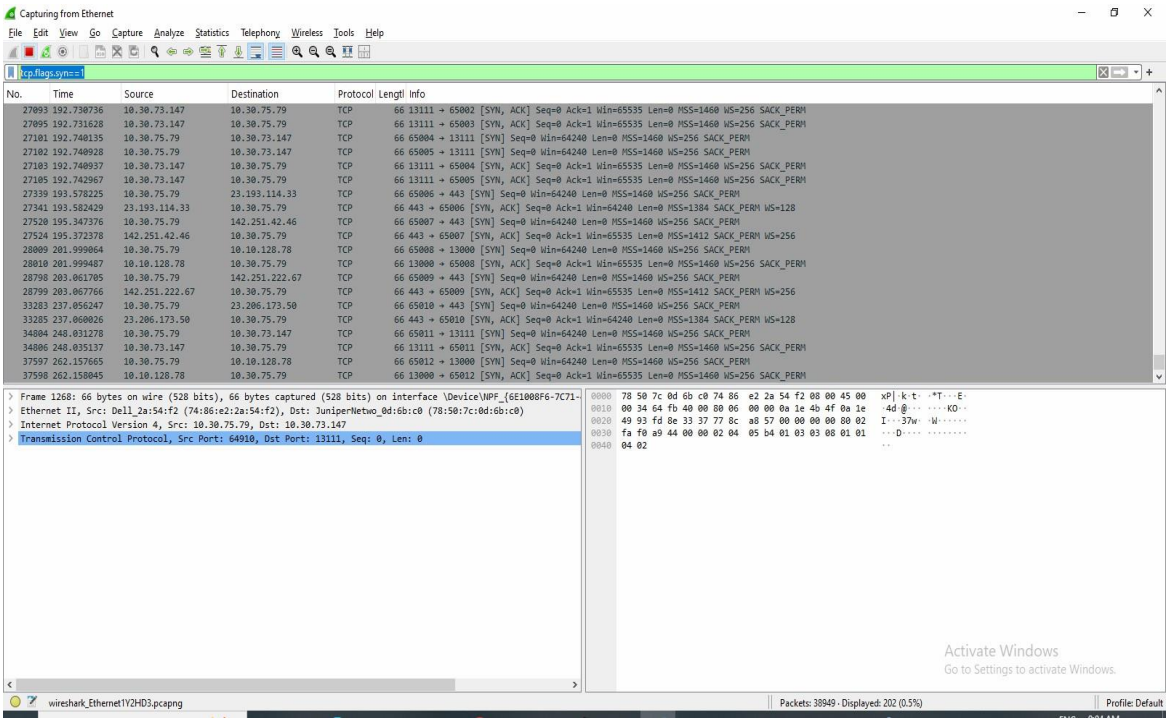
5. http && ip.addr==10.30.74.132  (Machine IP) && ip.addr==271.174.153.52 (techpanda.org ip)  (imp command )



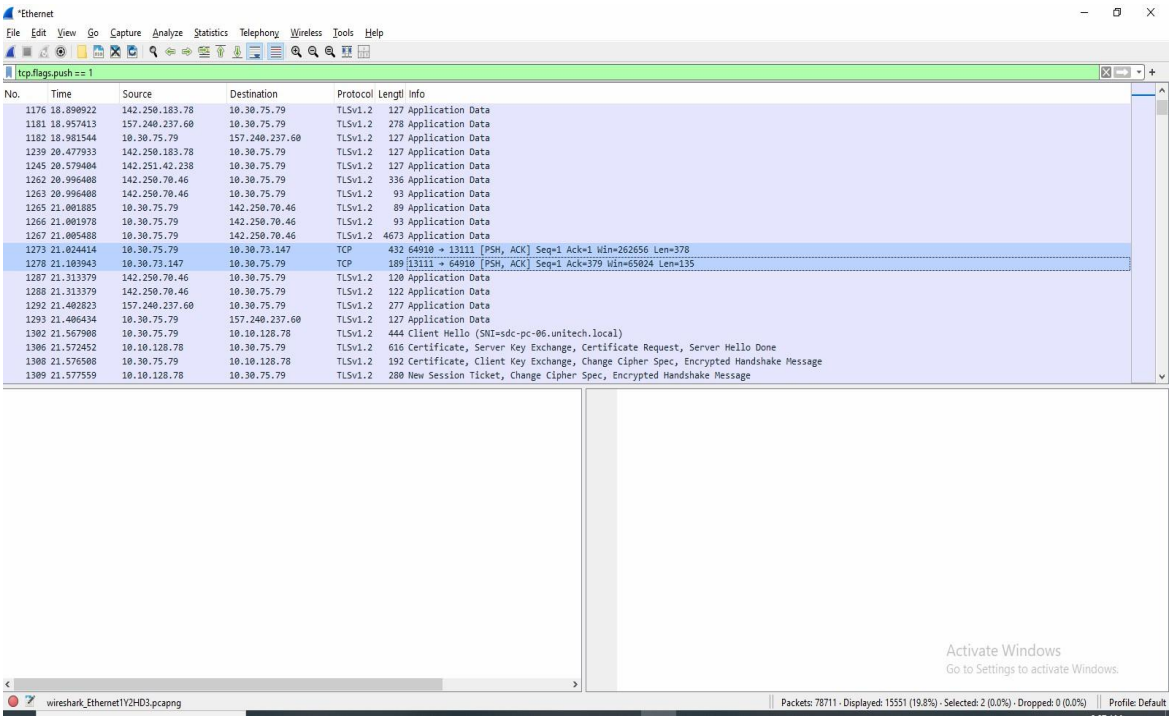
3 & 4. Write a DISPLAY filter expression to count all TCP packets (captured under item #1)

that have the flags SYN, PSH, and RST set. Show the fraction of packets that had each flag set.

tcp.flags.syn==1



tcp.flags.push == 1




tcp.flags.reset == 1