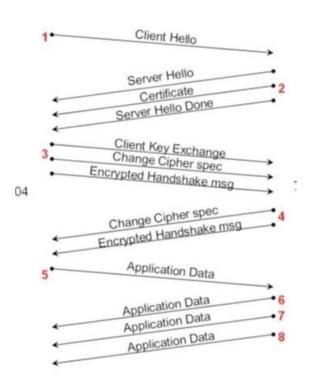
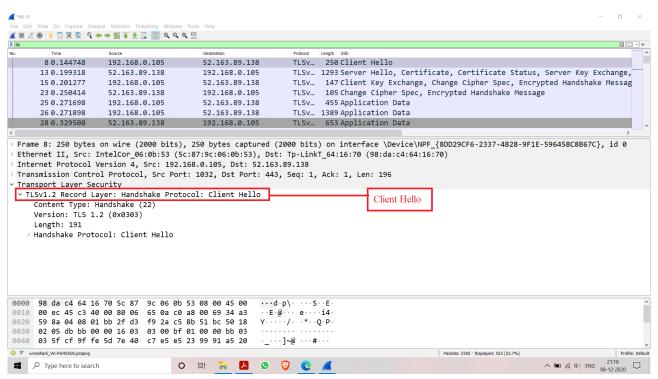
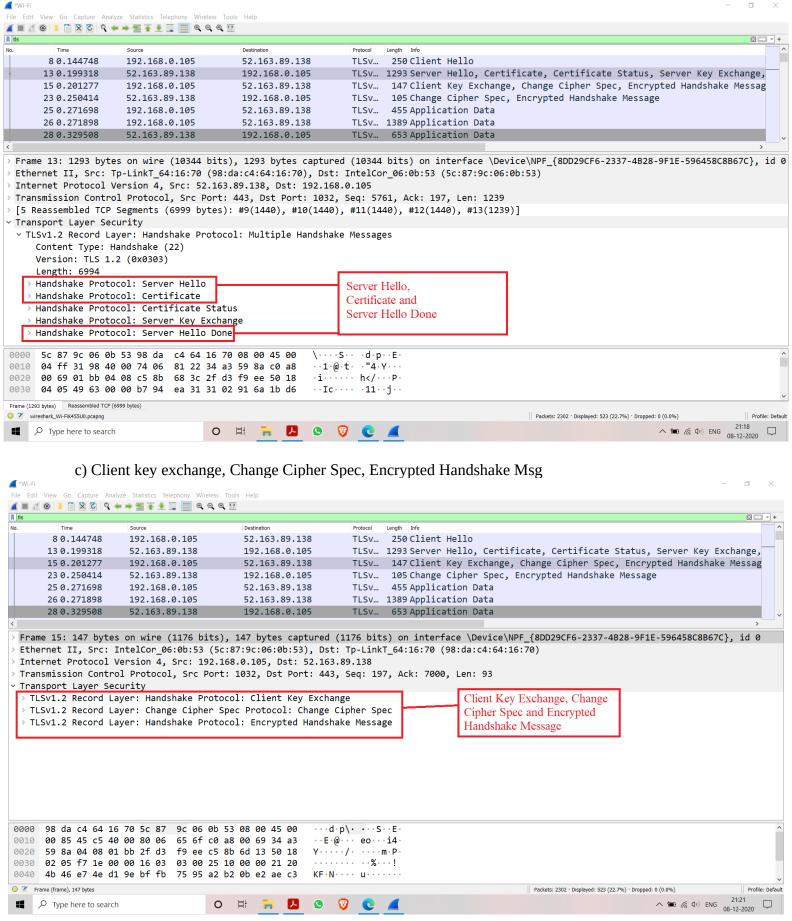
- 1. Visit your bank website or some of your favourite purchase website for capturing SSL. Be sure to exit without any 'dangerous' transaction.
- 2. Locate the below messages for your SSL transaction by filtering for SSL transactions and categorize them from 1-8 as per below figure.



a) Client Hello



b) Server Hello, Certificate, Server Hello Done



d) Change cipher spec and encrypted handshake messages ✓ *Wi-Fi File Edit Viev $\times \rightarrow \cdot$ Time Source Protocol Lenath Info TLSv... 250 Client Hello 8 0.144748 192.168.0.105 52.163.89.138 13 0.199318 52.163.89.138 192.168.0.105 TLSv... 1293 Server Hello, Certificate, Certificate Status, Server Key Exchange, 15 0.201277 192.168.0.105 52.163.89.138 147 Client Key Exchange, Change Cipher Spec, Encrypted Handshake Messag 23 0.250414 52.163.89.138 192.168.0.105 TLSv... 105 Change Cipher Spec, Encrypted Handshake Message 25 0.271698 192.168.0.105 52.163.89.138 TLSv... 455 Application Data 26 0.271898 192.168.0.105 52.163.89.138 1389 Application Data TLSv... 28 0.329508 52.163.89.138 192.168.0.105 TLSv... 653 Application Data Frame 23: 105 bytes on wire (840 bits), 105 bytes captured (840 bits) on interface \Device\NPF_{8DD29CF6-2337-4B28-9F1E-596458C8B67C}, id 0 Ethernet II, Src: Tp-LinkT_64:16:70 (98:da:c4:64:16:70), Dst: IntelCor_06:0b:53 (5c:87:9c:06:0b:53) Internet Protocol Version 4, Src: 52.163.89.138, Dst: 192.168.0.105 Transmission Control Protocol, Src Port: 443, Dst Port: 1032, Seq: 7000, Ack: 290, Len: 51 Transport Laver Security TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec Change Cipher Spec and Encrypted TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message Handshake Message 00 69 01 bb 04 08 c5 8b 6d 13 2f d3 fa 4b 50 18 04 05 2b 3d 00 00 14 03 03 00 01 01 16 03 03 00 ··+=········ (······R····J 28 00 00 00 00 00 00 00 00 a7 b1 52 ca 1c 05 4a ··1·8··· ·b·}··/? ca 19 6c ba 38 f4 fa ba bb 62 a0 7d fc 0b 2f 3f 0060 49 7a c5 1f f4 97 8b 4e 74 Profile: Default Packets: 2302 · Displayed: 523 (22.7%) · Dropped: 0 (0.0%) Record Layer (tls.record), 6 bytes 21:30 ∠ Type here to search **©** 🖁 📵 ^ **■** (€ ¶) ENG 08-12-2020 □÷ e)Application Data(from source 192.168.0.105) tls 80.144748 192.168.0.105 52.163.89.138 TLSv... 250 Client Hello TLSv... 1293 Server Hello, Certificate, Certificate Status, Server Key Exchange, 13 0.199318 52.163.89.138 192.168.0.105 TLSv... 147 Client Key Exchange, Change Cipher Spec, Encrypted Handshake Messag 15 0.201277 192,168,0,105 52,163,89,138 23 0.250414 52.163.89.138 192.168.0.105 TLSv... 105 Change Cipher Spec, Encrypted Handshake Message 192.168.0.105 TLSv... 455 Application Data 25 0.271698 52.163.89.138 26 0.271898 192.168.0.105 52.163.89.138 TLSv... 1389 Application Data TLSv... 653 Application Data 28 0.329508 52.163.89.138 192.168.0.105 Frame 25: 455 bytes on wire (3640 bits), 455 bytes captured (3640 bits) on interface \Device\NPF_{8DD29CF6-2337-4B28-9F1E-596458C8B67C}, id 0 Ethernet II, Src: IntelCor_06:0b:53 (5c:87:9c:06:0b:53), Dst: Tp-LinkT_64:16:70 (98:da:c4:64:16:70) Internet Protocol Version 4, Src: 192.168.0.105, Dst: 52.163.89.138 Transmission Control Protocol, Src Port: 1032, Dst Port: 443, Seq: 290, Ack: 7051, Len: 401 Transport Layer Security TLSv1.2 Record Layer: Application Data Protocol: http-over-tls Application Data from my Content Type: Application Data (23) computer to the server Version: TLS 1.2 (0x0303) Length: 396 Encrypted Application Data: 0000000000000001c4787ca266dcc464052ac756ff48a51df5fe3b596d2155febb97c316... [Application Data Protocol: http-over-tls] 02 05 e9 a7 00 00 17 03 03 01 8c 00 00 00 00 00 · · · · x | · f · · · d · * · V · 0040 00 00 01 c4 78 7c a2 66 dc c4 64 05 2a c7 56 ff 48 a5 1d f5 fe 3b 59 6d 21 55 fe bb 97 c3 16 c5 H····;Ym !U····· 9959D.. ..g.....

'a·H{E·· J·J···(·

Packets: 2302 · Displayed: 523 (22.7%) · Dropped: 0 (0.0%)

Profile: Defaul 21:22

へ **恒** ((中) ENG 08-12-2020

9969

0070

Record Layer (tls.record), 401 bytes

Type here to search

b4 cc 1e 94 8e 44 13 e5 f8 e0 67 94 d6 e2 80 d5

27 61 e2 48 7b 45 18 9b 4a 1f 4a b1 e5 83 28 eb

Application Data from server to my computer

