

Name-Ujjawal Mandhani

Batch-F6

Enroll No.-9918103237

ISL Lab-Week 2 D

Question 2:

Filtering out ip_addr==my_ip_addr
ip.addr==192.168.43.XX

Wireshark packet capture showing filtered traffic for ip.addr==192.168.43.10. The packet list shows various TCP and SSDP packets. The packet details pane shows the structure of a selected packet, including Ethernet II, Internet Protocol Version 4, User Datagram Protocol, and Simple Service Discovery Protocol. The packet bytes pane shows the raw hex and ASCII data.

Question 3:

DNS queries are sent over UDP

Wireshark packet capture showing a DNS query packet. The packet details pane shows the structure of the packet, including Ethernet II, Internet Protocol Version 4, User Datagram Protocol, and Domain Name System (query).

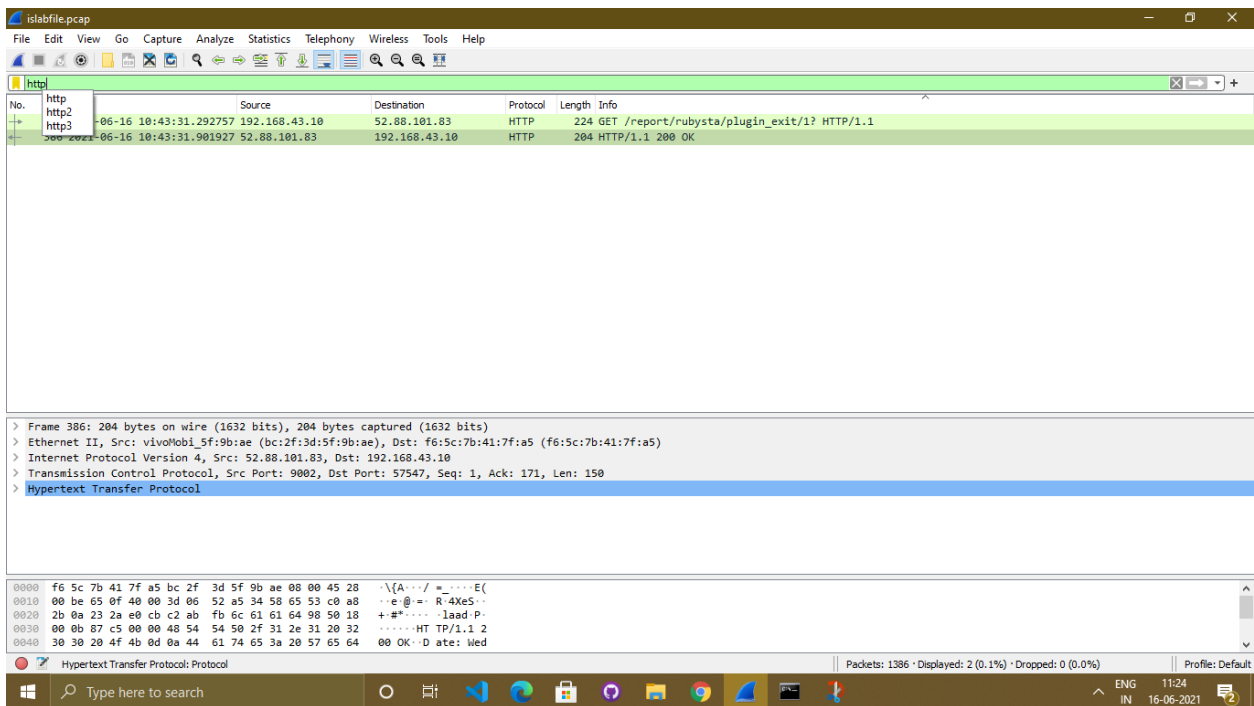
Question 4:

Src Port: 64376, Dst Port: 53

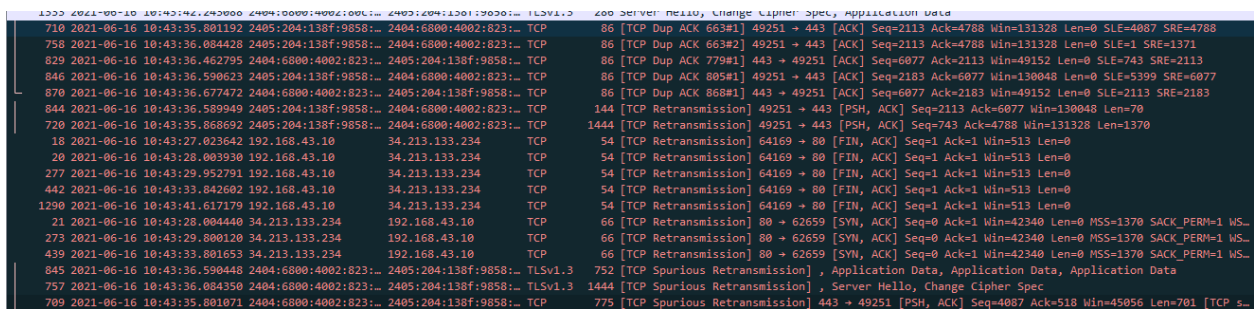
Question 5:

HTTP uses TCP

Wireshark packet capture showing an HTTP GET request packet. The packet details pane shows the structure of the packet, including Ethernet II, Internet Protocol Version 4, Transmission Control Protocol, and Hypertext Transfer Protocol.



Question 6:



Question 7:

(a) 3 common IP address: 131.247.92.200, 131.247.95.216, 64.233.161.99

Name: www.google.com

(b) In packets 3,4 and 5 TCP 3-way handshaking is taking place

Packet 3-> SYN, Packet 4-> SYN, ACK and Packet 5->ACK

(c) HTTP GET request is sent in frame 6 and is acknowledged in packet 7

(d) Packet 10 has HTTP get query response

(h) In packet 23, a GET request was sent to fetch an image icon, and packet 25 contains a response for get request

(i) Accessing a webpage and its components(images etc)