## Aditya Pradhan CSE D 180905350

### Lab3 Q3.1

Time	Source	Destination	Protocol	Info	Length
7.9160406	172.16.57.40	34.107.221.82	HTTP	GET /success.txt HTTP/1.1	
7.9614074	34.107.221.82	172.16.57.40	HTTP	HTTP/1.1 200 OK (text/plain)	
7.9647122	172.16.57.40	34.107.221.82	HTTP	GET /success.txt?ipv4 HTTP/1.1	
8.0103348	34.107.221.82	172.16.57.40	HTTP	HTTP/1.1 200 OK (text/plain)	
11.463446	172.16.57.40	91.189.89.153	HTTP	GET / HTTP/1.1	
11.804886	91.189.89.153	172.16.57.40	HTTP	HTTP/1.1 301 Moved Permanently (text/html)	
12.228650	172.16.57.40	23.214.85.211	OCSP	Request	
12.322236	23.214.85.211	172.16.57.40	OCSP	Response	
24.913829	172.16.57.40	52.172.210.152	HTTP	GET / HTTP/1.1	
24.964815	52.172.210.152	172.16.57.40	HTTP	HTTP/1.1 303 See Other (text/html)	
25.123489	172.16.57.40	104.120.65.72	OCSP	Request	
25.521974	104.120.65.72	172.16.57.40	0CSP	Response	

User-Agent: WSDAPI\r\n

Content-Length: 733\r\n

Host: [fe80::10e0:f754:6e1e:6cf5]:5357\r\n
\r\n

[Full request URI: http://[fe80::10e0:f754:6e1e:6cf5]:5357/915d30a2-6729-4dc3-9115-1b35f589ce70/]

[HTTP request 1/1]

File Data: 733 bytes

▼ eXtensible Markup Language

▶ <?xml

▶ <soap:Envelope

0000

98 ee cb 88 9f 17 6c 4b 90 2d 5d 6e 86 dd 60 02

0010

82 9f 02 f1 06 80 fe 80 00 00 00 00 00 fd 72

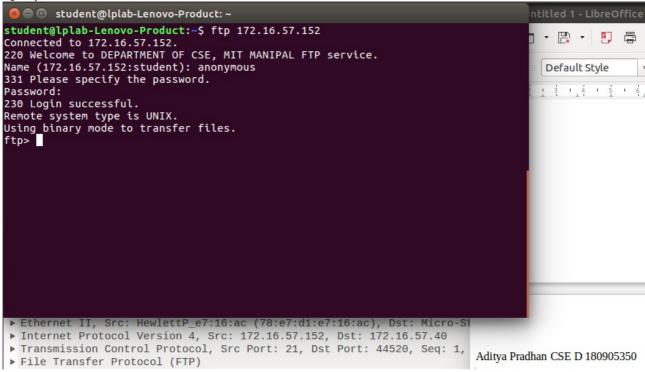
......r

Line 1725, my web browser sends a request to the server (a GET request) Line 1734, server sends an acknowledgement back to my browser.

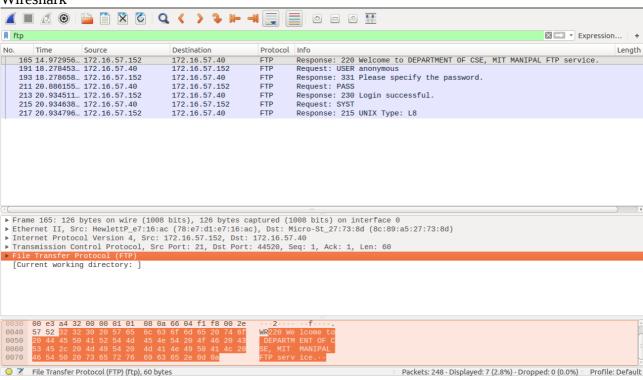
Most common HTTP methods are GET and POST. Others are put and delete

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#### Q3.2)

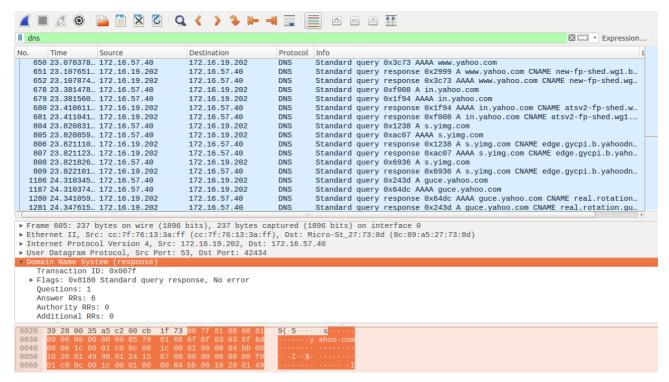


#### Wireshark



# Q3.7) nslookup

```
😰 🖨 📵 student@lplab-Lenovo-Product: ~
student@lplab-Lenovo-Product:~$ nslookup www.yahoo.in
                127.0.1.1
Server:
Address:
                127.0.1.1#53
Non-authoritative answer:
www.vahoo.in
               canonical name = rc.yahoo.com.
               canonical name = src.g03.yahoodns.net.
rc.yahoo.com
       src.g03.yahoodns.net
Name:
Address: 106.10.248.150
student@lplab-Lenovo-Product:~$ nslookup www.google.com
Server:
                127.0.1.1
Address:
                127.0.1.1#53
Non-authoritative answer:
       www.google.com
Address: 216.58.203.4
student@lplab-Lenovo-Product:~$
```



My web browser sends a DNS query to the server. It uses the Ipv4 protocol to do this.