

Assignment -1

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PCAP file link : <https://drive.google.com/file/d/1E-wwGfycf1H9UhrLnIsFSCs-yovoihBx/view?usp=sharing>

- 1.) a) Number of TCP packets = 4058
Number of DNS packets = 163

b) Number of IPv4 = 4303
Number of IPv6 = 30
- 2.) a) Total number of data (bytes) : 1992478
b) Total number of data (bytes) : 329000
- 3.)
a)

| Domain | IP Adress |
|--|-----------------|
| iitkgp.ac.in | 172.16.3.10 |
| www.cornell.edu | 13.107.213.48 |
| www.youtube.com | 172.217.166.174 |
| history.google.com | 142.251.175.113 |
| clients2.google.xom | 142.250.194.14 |

- b) we cannot find the IP address of the DNS server from DNS packets
- 4.) a) 2 GET Requests are present (frame numbers = 465, 939)
b) Total number of TCP segments =605
Data received : 906380