Lab Assignment

Active TCP Ports in your System

- Find all the active TCP port on your system. Identify the ports and PIDs of your web browser. Can you identify the port number and PID of specific TAB in your browser? Find out if any of the services running in your system uses the standard ports of HTTP, DHCP, DNS, SMTP, and FTP. [5]

HTTP

1. When you browse IIT Bhilai main page how many get request is sent (how many of the get request are for embedded content and how many get request for the text)? Plot the IO graph for packets sent to iitbhilai.ac.in and packets received from iitbhilai.ac.in [3 Marks]
2. For the response to your http get request, get the image reconstructed by hex editor. [2]
3. Find the interpacket interval between multiple get requests. [2]
4. Find the throughput observed while browsing IIT Bhilai site under two cases [3]
   a. When no other traffic in the background
   b. When a large file download is going.

the throughput calculation needs filtering only IIT Bhilai pages (from the get request originated from your browser till the last response has arrived at end of the web page)