Assignment 3: Packet Sniffing

# TCP & UDP Decode

The TCP procedure is called on line 74 and the UDP procedure is called on line 104. Retrieve the TCP and UDP transactions from a payload. The payload consists of a packet and the size of the IP packet.

To decode TCP/UDP packets, retrieve the source and destination port numbers. For port numbers less than 1024, retrieve the service port via getservbyport. Afterwards, the source and destination addresses are displayed.

The rest of the code in capture.c is based on the code for lab 9. The only changes made in the code are in the processIP method. Similar to lab 9, the code would read from a file in order to decode packets. The Wireshark results, below, are as follows:



