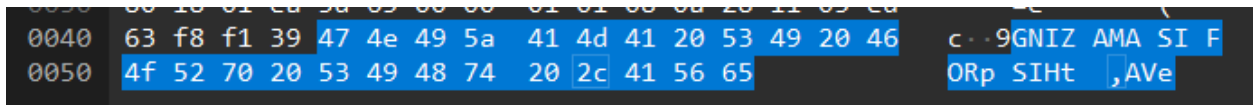


Part A. Protocol Basics

1. What transport-layer protocol is used in your capture? **TCP**
2. What port number did the server use? **30069**
3. What ephemeral port did the client use? (in part1, and part2) **Part 1: 47534 and Part 2: 54900**
4. What interface was used when you ran the C&S on the same machine(rlab5)? **Loopback**
5. What interface was used when you ran the C&S on different machines (client on rlab5)? **Ethernet**

Part B. Application Layer

7. In part1, Which packet carries the "Welcome to CS 352!" message? How many bytes of payload are in that packet? **18**
8. In part2, Identify one packet carrying a client message. **Packet #6**. Show which field contains the application data. **The TCP field contains the data. It can be seen under "TCP payload". It was 25 bytes in this case.**
9. In part2, Identify the corresponding echo reply from the server. Indicate the line #, or copy paste that line. **Packet #8 is the corresponding echo reply from the server.**



0040	63 f8 f1 39 47 4e 49 5a 41 4d 41 20 53 49 20 46	c 9GNIZ AMA SI F
0050	4f 52 70 20 53 49 48 74 20 2c 41 56 65	ORp SIHt ,AVe

Part C. Packet Sizes

9. How many total bytes were sent from client → server, **735 bytes**, from server → client? (in both cases-part1 and part2) **685 bytes**
10. Which packet in the capture is largest in terms of payload size? **In both captures, packets number 13 and 14 were the largest in terms of payload size. (34 bytes)**