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CSE 310

Programming Assignment #2

Instructions

- 1) Open and run the python file in any editor
- 2) Once the program runs, the user will be asked "Enter file name: "
- 3) Enter the name of the pcap file you wish to process, this file must be in the same directory as the python file, otherwise the program will return an error that the file hasn't been found and will request the same prompt again
 - a) The user may manually input the directory containing the pcap file if it is not in the same location as the python file
- 4) Once the file name is properly entered, the program will take a few seconds to run and output will be displayed.
- 5) Understanding the output for each flow:
 - a) Flow # General Statistics: Lists the source/destination ports and addresses of each flow
 - b) First Two Transactions After The TCP Connection: Lists the addresses, sequence number, acknowledgement number, receive window size, and time stamp of each packet in the first two transactions of the flow
 - c) Sender Throughput: Lists the total number of packets, size of the data in bytes, time taken from start to finish of the flow, and the rate of bytes per second sent in the flow
 - d) First Three Congestion Window Sizes: Lists the first three congestion window sizes, or the amount of packets sent in one RTT