```
 1 C:\Users\Dell_owner\AppData\Local\Programs\Python\
   Python38\python.exe C:/Users/Dell_owner/
   PycharmProjects/mahanta-riya-assignment2/
   analysis_pcap_tcp.py
 2
 3 Tcp connection count = 3
 4
 5 Connection 1
 6 --------------------------------------------------------
   ---------
 7 First two transactions after establishing connection
 8 Source Port:  43498
 9 Source IP Address:  130.245.145.12
10 Destination Port:  80
11 Destination IP Address:  128.208.2.198
12 Sequence Number:  705669103
13 ACK Number:  1921750144
14 Receive Window size:  3
15
16 Source Port:  43498
17 Source IP Address:  130.245.145.12
18 Destination Port:  80
19 Destination IP Address:  128.208.2.198
20 Sequence Number:  705669127
21 ACK Number:  1921750144
22 Receive Window size:  3
23
24 Throughput = 42.01083443468604 Mbps
25 Retransmissions due to Triple Duplicate ACK: 2
26 Retransmissions due to Timeout: 2
27 Loss Rate = 0.00028665615594094884
28 Average RTT = 73.00400733947754 ms
29
30 Congestion Window Sizes = 18980
31 Congestion Window Sizes = 29200
32 Congestion Window Sizes = 59860
33 Congestion Window Sizes = 70080
34 Connection 2
35 --------------------------------------------------------
   ---------
36 First two transactions after establishing connection
```

```
37 Source Port:  43500
38 Source IP Address:  130.245.145.12
39 Destination Port:  80
40 Destination IP Address:  128.208.2.198
41 Sequence Number:  3636173852
42 ACK Number:  2335809728
43 Receive Window size:  3
44
45 Source Port:  43500
46 Source IP Address:  130.245.145.12
47 Destination Port:  80
48 Destination IP Address:  128.208.2.198
49 Sequence Number:  3636173876
50 ACK Number:  2335809728
51 Receive Window size:  3
52
53 Throughput = 10.283294663924096 Mbps
54 Retransmissions due to Triple Duplicate ACK: 36
55 Retransmissions due to Timeout: 59
56 Loss Rate = 0.008347481607243917
57 Average RTT = 72.70503044128418 ms
58
59 Congestion Window Sizes = 16060
60 Congestion Window Sizes = 42340
61 Congestion Window Sizes = 64240
62 Congestion Window Sizes = 71540
63 Connection 3
64 -------------------------------------------------------
   ---------
65 First two transactions after establishing connection
66 Source Port:  43502
67 Source IP Address:  130.245.145.12
68 Destination Port:  80
69 Destination IP Address:  128.208.2.198
70 Sequence Number:  2558634630
71 ACK Number:  3429921723
72 Receive Window size:  3
73
74 Source Port:  43502
75 Source IP Address:  130.245.145.12
76 Destination Port:  80
```

```
77 Destination IP Address:  128.208.2.198
78 Sequence Number:  2558634654
79 ACK Number:  3429921723
80 Receive Window size:  3
81
82 Throughput = 11.851251375691238 Mbps
83 Retransmissions due to Triple Duplicate ACK: 0
84 Retransmissions due to Timeout: 1
85 Loss Rate = 0.0013717421124828531
86 Average RTT = 73.50778579711914 ms
87
88 Congestion Window Sizes = 18980
89 Congestion Window Sizes = 37960
90 Congestion Window Sizes = 54020
91 Congestion Window Sizes = 74460
92
93 Process finished with exit code 0
94
```