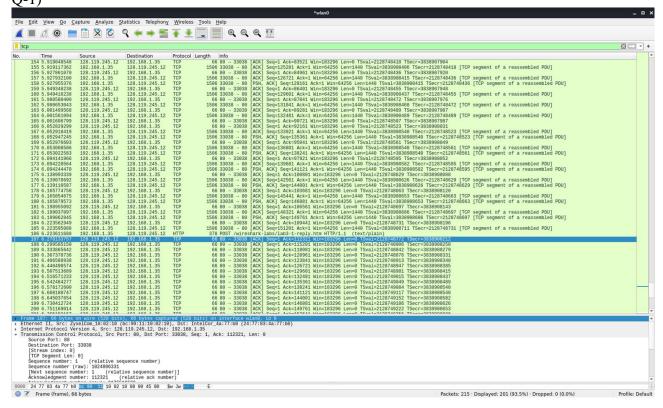
COMPUTER NETWORKS HW-3

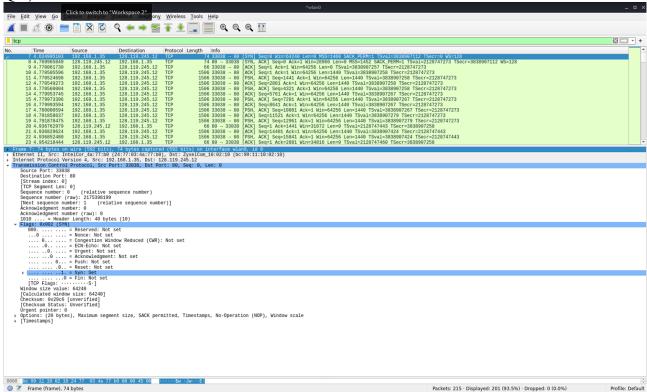
Enes Garip/150116034

Part-1 Q-1)



The IP address of the client is 192.168.1.35 and the port is 33038.

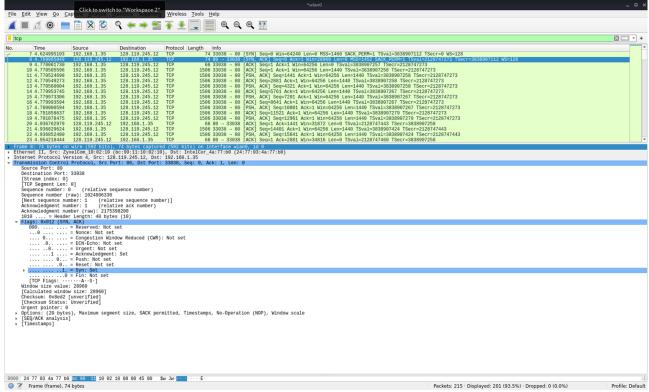
Q-2



The IP address of the gaia.cs.umass.edu is 128.119.245.12 and the port is 80.

Part-2

Q-4

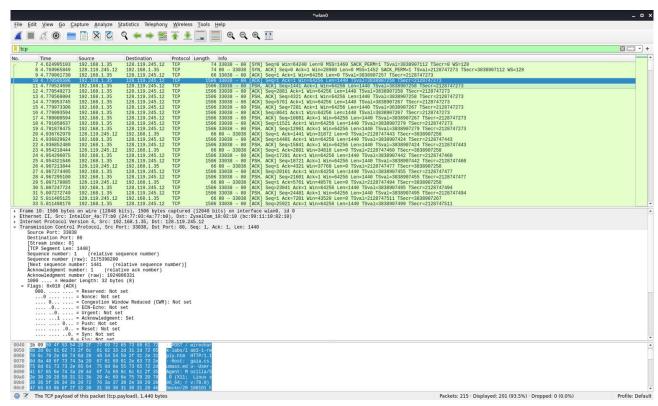


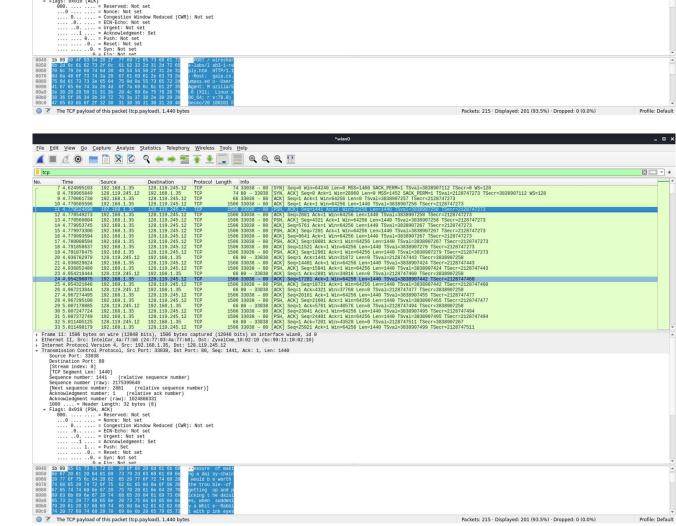
Q-5

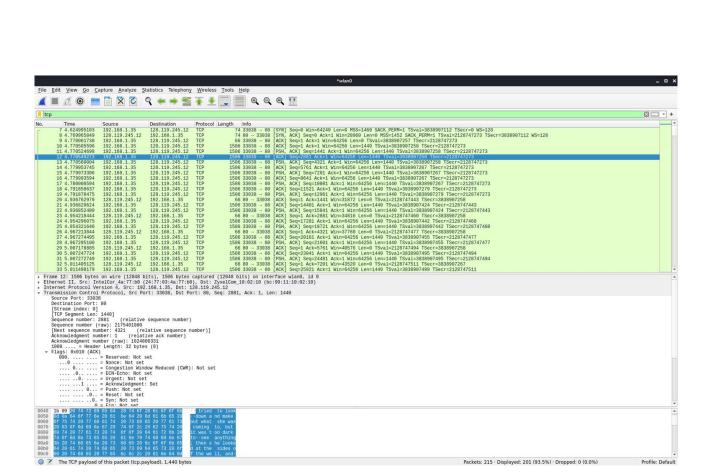
```
Q-6
         🛕 🔳 🙍 📵 🚞 🖹 🗵 🧔 🤇 🤉 📤 🛖 🚆 🔍 🔍 🧸 🔍 🔛
                                         × - +
Time Source Destination Protocol Length Info
7 4.624955383 1921.686.1.35 122.119.245.12 TCP 7 480 - 33388 571, ACK Seq=8 Ac 11.1 A.779526998 122.119.245.12 192.168.1.35 170 7 480 - 33388 571, ACK Seq=8 Ac 11.1 A.779526998 192.168.1.35 128.119.245.12 TCP 1506.33083 871, ACK Seq=8 Ac 11.1 A.779526998 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=144.1 14.779526998 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=144.1 14.779526998 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779526998 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779526998 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779526999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779526999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779626999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779626999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779626999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=841.1 14.779626999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.779626999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.779626999 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33083 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33088 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33088 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33088 880 [PSH, ACK] Seq=140.1 14.79187847 192.168.1.35 128.119.245.12 TCP 1506.33088 880 [PSH,
```

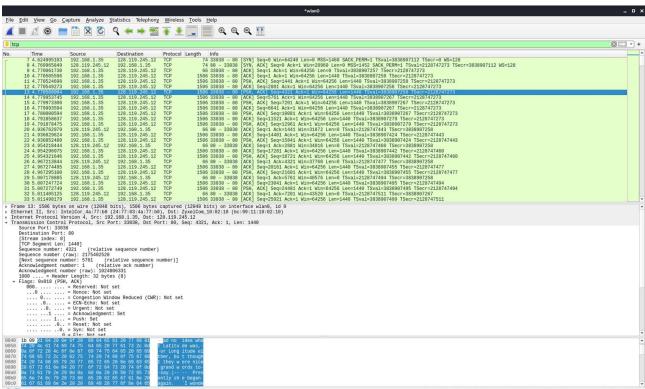
Packets: 215 · Displayed: 201 (93.5%) · Dropped: 0 (0.0%) Profile: Default,

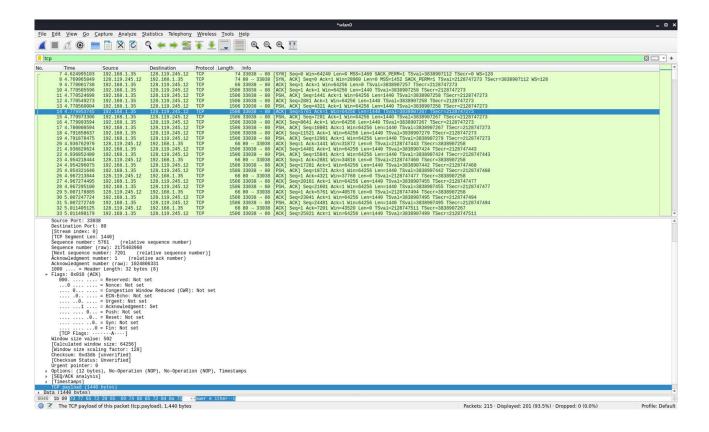
The post command is in TCP which sequence number is 1. Q-7

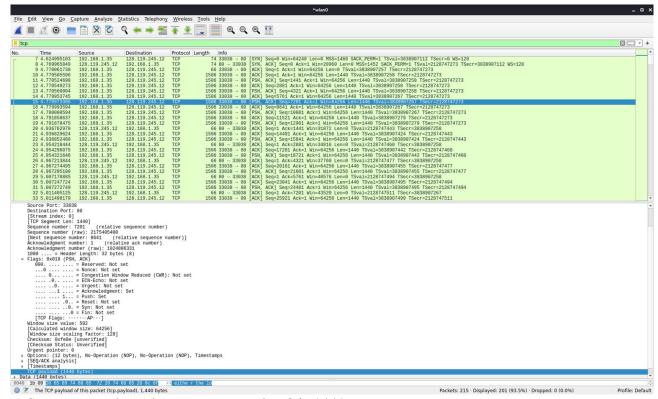












- a) Segment number 1 but segment number 2 is 1441.
- b) For segment number 1 4.770505596. For segment number 2 is 4.770524698 and so on in the screenshots.
- c) For segment number 1 4.936762979.

d)

Segment	Packet Number	Sequence Number	Time Sent	Time ACK received	RTT
1	10	1	4.770505596	4.936762979	0.166257383
2	11	1441	4.770524698	4.954218444	0.183693746
3	12	2881	4.770549273	4.967213844	0.196664571
4	13	4321	4.770560004	5.007178885	0.236618881
5	14	5761	4.779953745	5.011405125	0.231451380
6	15	7201	4.779973306	-	-

Q-8)

1440 bytes

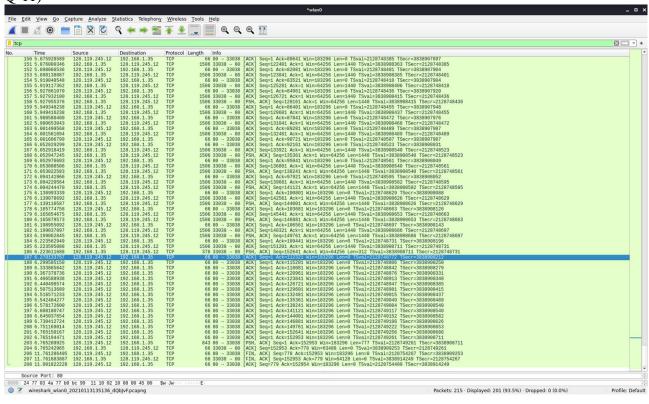
Q-9)

The minimum is 31872

Q-10

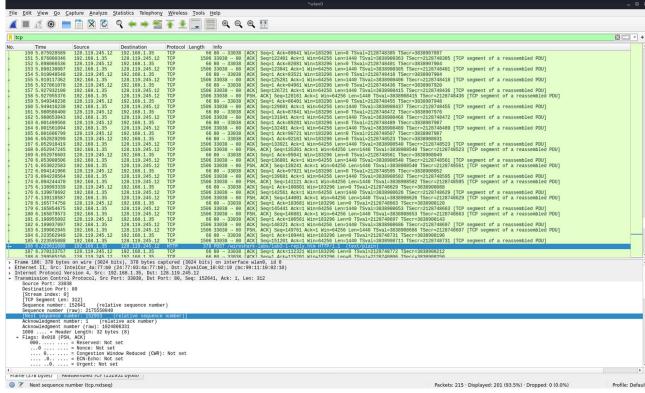
If there are same sequence number packets at different time then there is a retransmission.

0-11



Q-12)

Ack numbers increases 1440 at each iteration, so the receiver acknowledging 1440 bytes.



Next sequence number (tcp.nxtseq)

Packets: 215 · Displayed: 201 (93.5%) · Dropped: 0 (0.0%)

Profile: Default