HuiLin Zhang (917071562) (Anna Chang)

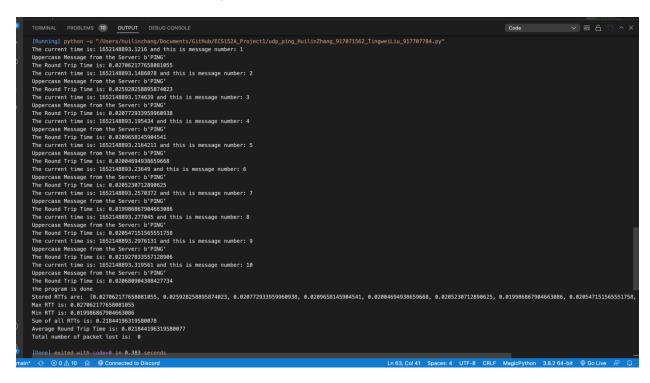
Tingwei Liu (917707784) (Anna Chang)

Code file: udp_iperf_HuilinZhang_917071562_TingweiLiu_917707784.py

udp ping HuilinZhang 917071562 TingweiLiu 917707784.py

Question I Ping:

1 screen shot of the execution output:



2 Total number of ping packet delivered: 10

Total number of ping packet lost: 0

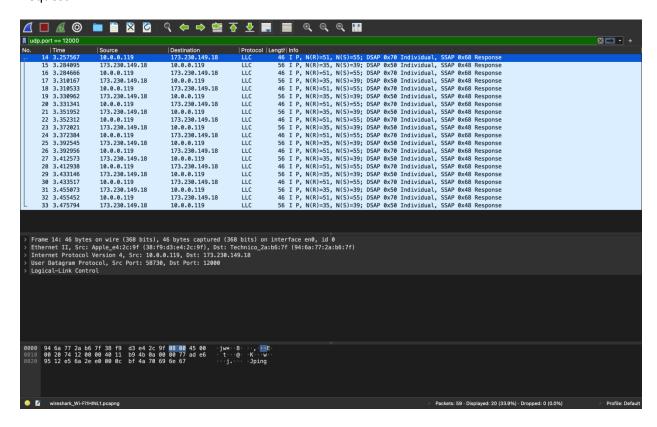
3 Average of RTT: 0.0218

Max RTT: 0.027

Min RTT: 0.019

Sum of RTT: 0.218

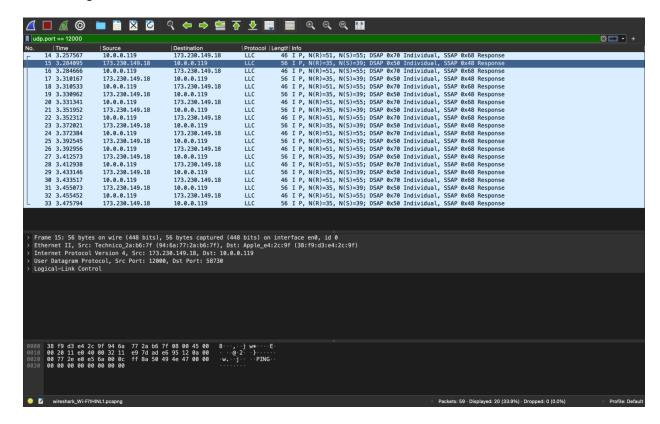
Request:



According to the packet bytes panes shows the data of the packet sent in, the message sent is a bunch hex hexadecimal and end with the lower case 'ping'. The non-printable bytes are written in "."

"LLC" is the name of UDP socket when port number on 12000-12004. all character are shown in hexadecimal bytes and ASCII bytes.

The message received is "PING"



Question II Ping:

5. Attached screen shot of Iperf:

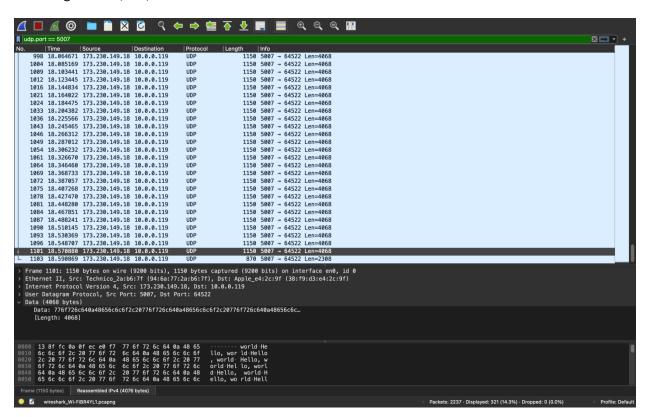
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
received %: 84
received %: 85
received %: 85
received %:
received %:
received %:
received %:
received %:
received %: received %:
received %:
received %:
received %:
received %:
received %:
received %:
received %:
received %:
received %:
received %:
             99
received %: 99
received %: 100
break
Time elapsed: 6.024640798568726 seconds
File Downloaded
PS C:\Users\huili\Documents\GitHub\ECS152A_Project1>
```

```
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

[Running] python -u "/Users/huilinzhang/Documents/GitHub/ECS152A_Project1/udp_iperf_HuilinZhang_917071562_TingweiLiu_917707784.py"
received %: 0
received %: 0
received %: 1
received %: 1
received %: 1
received %: 2
received %: 2
received %: 2
received %: 2
received %: 3
```

6: number of packet: 321.

The data was separated into 320 packet with length 4068 and one last packet with length 2308. The total length was 1,300,000 as result.



7: Total number of time: 6.02 seconds

8: Through put: 215968 bps